```
GenCore version 4 5
Copyright (c) 1993 - 2000 Compugen Ltd.
```

OM nucleic - nucleic search, using sw model

April 24, 2002, 03 25 22 ; Sourch Lime 240.08 Seconds Run on:

(without alignments)
4885.125 Million cell updates/sec

US-09-525-998A-1 1368 Title:

ngnonagtottotoagatga 1348 1 at gagnet et ceanent gen Perfect score. Sequence:

Gapop 10.0 , Gapert 1 n IDENTITY\_NUC Scoring table:

1861242 Total number of hits satisfying chosen parameters: 94002] Segs, 428002014 residues searched.

Minimum DB seq length: 0 Maximum DB seq length: 200000000

Maximum Match 100% Listing first 45 summaries Post-processing: Minimum Match 0%

Database

/SIDS2/geddata/geneseq/geneseqn/NA1998\_DAT:\*/SIDS2/geddata/geneseq/geneseqn/NA1999\_DAT:\*/SIDS2/geddata/geneseq/geneseqn/NA2900\_DAT:\*/SIDS2/geddata/geneseq/geneseqn/NA2900\_DAT:\* PAT. \* DAT . \* /SIDS2/gcgdata/geneseg/genesegn/NA1993.DAT;\* /SIDS2/gcgdata/geneseg/genesegn/NA1994.DAT;\* /SIDS2/gcgdata/geneseg/genesegn/NA1995\_DAT;\* /SIDS2/gcgdata/geneseq/geneseqn/NA1996, DAI;\* /SIDS2/qrqdata/geneseq/geneseqn/NA1997.DAT:\* /STDSZ/gogdata/geneseq/geneseqn/NA1989.DAT:\* /Slu32/gcgdata/geneseq/geneseqn/NA1990.DAT.\* N.Gameseq\_1101.\*

/STDS2/grgdata\_fronseq/geneseqn/NN1980.DAT:\*
/STDS2/grgdata\_fronseq/geneseqn/NN1981.EAT:\*
/STDS2/grgdata\_fronseq/geneseqn/NN1981.EAT:\*
/STDS2/grgdata\_fronseq\_fronseqn/NN1981.EAT:\*
/STDS2/grgdata\_fronseq\_fronseqn/NN1981.DAT:\*
/STDS2/grddata\_fronseq\_fronseqn/NN1981.DAT:\*
/STDS2/grddata\_fronseq\_fronseqn/NN1986.DAT:\*
/STDS2/grddata\_fronseqf\_fronseqn/NN1986.DAT:\*
//STDS2/grddata\_fronseqf\_fronseqn\_NN1986.DAT:\* /SIDSZ/gcgdata/geneseq/geneseqn/NA1988.DAT:\* /SIDS2/gcgdata/ganeseq/geneseqn/NA1991 /SIDS2/gcgdata/geneseq/geneseqn/NA1992 6... 100... 110...

score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution. is the number of results predicted by chance to have a Pred. No.

/SIDS2/gegdata/geneseg/genesegn/NA2001.DAT.\*

SUMMARIES

|           |   |        | Description | Lambda-derived TNF | Human TNFR1 coding | 30kD TNF inhibitor | Human 30 kDa INF i | Human tamour secre | Human tumour necro | Encodes human 55kD | p55 TNF-R gene. H | TNF-alpha binding | Encodes TNF-alpha | Type I INF recepto |
|-----------|---|--------|-------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|-------------------|-------------------|--------------------|
| COLVENIOR |   |        | ID          | AAQ49932           | AAA95105           | AAQ10883           | AACR3946           | AA209170           | AAZ48475           | AAQ10955           | AAQ90513          | AAQ20973          | AAQ24440          | AAQ12215           |
|           |   |        | DB:         | 14                 | 5                  | 15                 | S                  | Ċ1<br>Ċ.           | 21                 | 15                 | 16                | 7                 | <u>~</u>          | ==                 |
|           |   | Query  | Length      | 1368               | 1368               | 2088               | 2088               | 2111               | 2161               | 2111               | 2175              | 23062             | <b>3</b> 90€      | 2176               |
|           | æ | Oner.  | Match       | 6.66               | 99.9               | 66.66              | 0                  | c . c .            | 6.66               | 8.66               | 8.66              | 9.66              | ৬ ৮৮              | 9,66               |
|           |   |        | Score       | 1366.4             | 1366.4             | 1366.4             | 1366 4             | 1366 4             | 1366.4             | 1364.8             | 1364.8            | 1363.2            | 1363 2            | 1363 2             |
|           |   | Result | No.         | ,                  | C                  | e                  | 4                  | ďъ                 | ç                  | 7                  | 90                | O                 | 10                | 11                 |

| Maman Tagent Necro | p55 Tumour necrosi | hid lumout Ne | kat lumour Necrosi | Vector pcDNA3-1qG | DHFR/intron (WTras | Encodes truncated | Advisor increase the | CLEMA for TBF(20 19 | 91-02) HH: 101 PM:(20-19 | 4        | Human soluble tumo | Soluble Lundur nec | Tuncour necrosis in | 30 kba rn      | Partial human TNFR | -              | DNA for TBF(20-16    |          | Encodes truncated | Encodes truncated | Nucleotide sequenc  | Truncated SINFR, S | Enclodes Linnicated | Truncated SINFR, S |          | Truncated SINFR, S | MalE fusion plasmi | Truncated STNFK, S |               | - >      | g        |          | Genomic clone for |
|--------------------|--------------------|---------------|--------------------|-------------------|--------------------|-------------------|----------------------|---------------------|--------------------------|----------|--------------------|--------------------|---------------------|----------------|--------------------|----------------|----------------------|----------|-------------------|-------------------|---|--------------------|---------------------|--------------------|----------|--------------------|--------------------|--------------------|---------------|----------|----------|----------|-------------------|
| AAQ06285           | AAQ50870           | AAQ06282      | AAQ06284           | AAV04433          | AAT15931           | AAQ24441          | 1.L.X.5 e            | AA194022            | AA194023                 | AAQ24445 | AAV41548           | AAV19801           | AAV81732            | AAC83945       | AAA95104           | AAT94007       | AAT94008             | AA250136 | AAU24444          | AA024442          | AAA15044  | AAV19804           | AAQ24443            | AAV19805           | AAV19803 | AAV19806           | AA250194           | AAV19808           | AAV19807      | AA256135 | AAAbbass | AAQ19878 | AAC83944          |
| -1                 | 14                 | , =<br>r =    |                    | 8                 | P-                 | 13                | ;                    | 9                   | (X)                      | ۲.       | 19                 | 73                 | 0.7                 | C4<br>C4       | []                 | a)             | 8                    | 2.1      | 133               | (°)               | 53  | 16                 | en<br>e t           | 13                 | 19       | 2                  | <u>-</u>           | 19                 | -1            | 2.1      | 7.7      | C.       | 3                 |
| 1.4                | 17                 | 1334          | Ç-                 | 3                 | 6889               | 608               | 2476                 | 1301                | F:                       | 204      | 483                | 28₹                | 483                 | 483            | 61<br>61           | 1049           | 1202                 | 1674     | 477               | - 7<br>- 7<br>- 7 | 50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>50<br>5 | 339                | 462                 | 333                | 332      | 315                | 1497               | 294                | 4)<br>22<br>7 | 75       | 4)       | 1001     | $\supset$         |
| 6                  | 99.4               | 30<br>.:      | ത                  | ů.                | 46                 | 4.3               | ٠,                   | 5.7                 | C**                      | 36       | 5                  | ςς)<br>Π,          | <b>C</b> )          | 5              | 음                  | 5              | T 1                  | C 2      | 27.5              | (a)               | ~   | N                  | Cl                  | . 1                | C4       | _                  |                    | $\circ$            | ¥ : 6:1       | دی       | -4       |          | n)<br>73          |
|                    | e                  | 1120.4        | 2                  | 35                | 632.4              | 596.8             | F                    | 514                 | e<br>Gr                  | 501.4    | 483                | 483                | £83†                | 21<br>80<br>80 | 440                | 5.<br>50<br>7. | 寸.<br>寸:<br>寸:<br>寸: | 418      | 376.2             | 357.D             | 329.6   | 312.4              | 310.8               | 308.2              | 304.4    | 294.6              | 8                  | 273.8              | 54.           | 253.8    | 163.6    |          | ] to 1, 8         |
| 1.2                | 13                 | 14            | 15                 | 16                | 17                 | 18                | 1.                   | 50                  | c.                       | C1       | 53                 | 77                 | C I                 | 56             | 27                 | 28             | 53                   | 30       | 31                | 32                | 33  | 34                 | 35                  | 36                 | 37       | 38                 | 33                 | 40                 | 4.1           | C 77     | 4.3      | 44       | 4.5               |

## ALIGNMENTS

AAQ49932 studiand; obwa to mRNA; 1368 BP. AAQ49932

AAQ49932;

29-APP-1994 (first entry)

Lambda derived TNF R cDNA.

Human; tunnour nearesis factor receptor; TNF-R; interleakin-1 receptor; TNF-R; interleakin-1 receptor; TNF-R; interleakin-1 receptor; TNS-R; Statex, etc. Constant manal. a) themmatoid at first is, disfluentes, must be esclerosis; septic shock; pulmenary fibrusis; silicosis; allograft; xenegraft; rejection; norses bus' disease, sepsis, inflammation, alleity; autoimmune dystunction; ss. gratt

Homo sapiens. Lambda-gt10-7-etnfbp.

Lovation/Qualiflers
1..1366

/\*tag- a /product= hrnF-R Ω 121..1363 /\*tag-120 /\*t.aq-/\*tagsig\_peptide hat\_peptide 

W09319777-A

14-0CT-1993.

33WL USC2938. 26 MAR-1993,

```
therapy, diagnosis and assays for conditions mediated by TNF or IL-1, particularly in conditions in which both TNF and IL-1 play a causitive role. They may be used to treat cachexia, rheumatoid arthritis, diabetes, multiple sclerosis, pulmonary fibrosis and silicosis, cerebrai maiatia, alivotaff and Aemografit tejection in qualt verses host disease, sepsis, septic shock, inflammation, allergies and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The sequences given in AAQ49931-32 encode human tumour necrosis factor receptor (TNF-R) and the sequences in AAQ49933-34 encode human interleukin I receptor (IL-IR). These sequences were used in the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ser, Thr and Ala. These linkers separate the individual medities by such a distance that each component of the lusion protien is capable of Inding into the sevendary or terriary structure required for its biological activity. These fusion proteins may be used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     New fusion protein tumour mecrosis factor and human interleukin-1 receptor useful in therapy, diagnosis and assays of e.g. rheumatoid arthritis, diabetes, cerebral malaria, sepsis, etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     the linker may comprise 5:100 amino acids selected from Gly, Asp,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         production of a fusion protein which conformed to one of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Sequence 1368 RP; 292 A; 424 C; 376 G; 276 T; O other,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TNF-R-linker-TNF-R-linker-IL-1R
IL-1R-linker-TNF-R-linker-TNF-R or
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Disclosure; Page 57-59; 85pp; English.
                                                                                                                           3120380 8.26
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TNF-R-linker-TNF-R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               autoimmune dysfusetions.
                                                                                                                                                                                                                                                                                                                                                                                   (IMMV ) IMMUNEX CORP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   WPI; 1993-336592/42.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P-PSDB; AAR42059.
                                                                                                                           30 - MAR-1992;
\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}\overset{\times}{\otimes}
```

181 aagtgeracaaaggaaertaettgtacaatgactgteeaggereeggggeaggataeggae 240 6) ggaatatacccctcaggggttattggactggtccctcacctagggggcaggagaagaga 120 61 ggaatatacceeteaggggt.Lat.fggaetggteeeteacetaggggacagggaagaga 120 121 gatagigididicoccaaggaaaatatatecacceteaaaataatiegatiligetgtaee 180 12] gatagtgtgtgtccccaaygaaaatatatccacctcaaaataatc4tctgttgctgtace 180 241 tycagggagftatgagagcygeteetteacegettcagaaaaccaeettcagacacte 300 agetgetecaaatgeegaaaggaaatggteaggtggagatetettettgeaaatggae 360 301 agetgetecaaaatgeegaaaaggaaatgggteaggtggagatetettettgeacagtggae 360 361 eqqqacaccqtqtqtqtqcaqqaaqqaaqccaqtaccqqcattattqqaqtqaaaacctt 420 12) teccaqtacticaattgcagerictgceteaatgggaecgtgcaectetectgceaggag 480 0; Gaps 1 atdageototoracegiaenigaceigengetgecaciagidetectectagagetgilggig 60 99.9%; Score 1366.4; DB 14; Length 1368; 1; Indels Mismatches Ž Prod. # 7 7 5 5 Conservative Similarity Matches 1367; Query Match 301

90

0 0 O

ó

C C 9 0 0 0

a 6 a

```
1081 gccgtggtggagaacgtgccccgttgcgctggaaqgaattcgtgcggcgcctagqqctq 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 961 getgäceceateettyeyacayeeeteyeeteeyaveevateeeaaveecatteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              961 jotgaccocatecttycyacayecetegaetecyaceceatececaacececteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1021 taggaggacagccacaaagccacagagcctagacctagacacqatgacccgcgcgacqctgtac 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1081 geogliggiggagaacgigeceeegilgegelggaaggaatlegigeggegeelaggerig 1140
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1201 tacagcat.gct.ggcgacct.ggaggcggcggcacgcgcgcgcgaggccacgct.ggagctg 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1201 tacagcatgetygegaeetygaggeggegeacyceyeyyeygegggeeacgetggagety 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1261 ctgggacgegtgeteegegacatggacetgetggetgeetggaggacategaggaggagg 1320
                                                                                                421 ttocagtgottcaattgoagontingiinnaatagaangtgoactitortgoaqqag 480
                                                                      481 aaacagaacaccqqqtgcacctgccatgcagqtllctllctaagaqaaaaacgaqtgtutc 540
                                                                                                                                                                    541 teetytaytaaetytaagaaageetygagtqeacgaagttgtgeetaeeecagattgag 600
                                                                                                                                                                                                                                                                                                               601 aatgitaagggeacigaggaeleaggeaceacaileitheigieeeiggiealiileili 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                             tecaagetetaetecattgtttgtgggaaategaearetgaaaaagaggggagettgaa 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          721 tecaagetetaeteeattgtttgtgggaaategaeetgaaaaagaggggggettgaa 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ggaactactactaagcccctggccccaaacccaagctteagtcccactccaqqcttvacr 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   841 eccaecetygyetteagteeegtgeeeäytteeacetteaeeteeageteeacetataee 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              901 occapitantigi.cocaactitignagniococquagaqaqqiqgcaccaccctatcaqqqq 960
                                                                                                                                                                                                                                                                                                                                                               661 gatertitgeettitateeeteetetteattggfftaalgtategetaeeaaeggfggaag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      781 gyaavtautautaageeeetggeeedaaaeeeaagetteagteeeaeteeaggetteaee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      841 eccaecctgggettcagteccgtgcccaqttccacttcacctccagetccacctatace
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1141 ayogaccacgagategateggetggagetgcagaacgggegetgeetgegegaggegaa
AAA95105 standard; DNA; 1368 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human TNFRi coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             12-JAN-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        781
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AAA95105
                                                                                                                                                                                                                                                                  3
                                                                                                                                                                                                                                                                                                                                                                                                             CO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 D
C
                                                                                                                                                                       ð
                                                                                                                                                                                                                                                                                                               끞
                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ō
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     q
```

```
Polynucleutides comprising polymorphic variants of a reference sequence for tumour necrosis factor receptor 1 (INFR1), useful for studying the biological function of INFR1 and identifying drugs targeting the
                   INFR1; tumour necrosis factor receptor; polymorphism; human;
                                    tumour; cancer; apoptosis; bacterial infection; ds.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Thew A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Stephens TO.
                                                                                                              Location/Qualifiers
1..1368
                                                                                                                                                                            TINER
                                                                                                                                                                                                                                                                                                                                                                                                                         replace(224,:)
/*tan=__f
                                                                                                                                                                                                                                                                                                                                                                                                                                                               replace(269,T)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     replace(362,A)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            replace(403,C)
                                                                                                                                                                                                                                          /number⇒ 1
replace(36,G)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (GENA-) GENAISSANCE PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              $6002 0151314
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /*tag- p
/number- 10
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      23 FEB 2000; 2000WC-7504606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /number= 5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /number- 4
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag= 1
/aumber 6
626..739
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /number- 7
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /number= 8
                                                                                                                                                                                                                                                                                     t,
                                                                                                                                                             æ
                                                                                                                                                                                                                       2
                                                                                                                                                                                                                                                                                                                                                                                    Φ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        <u>_</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    C
                                                                                                                                                                            /product-
                                                                                                                                                                                                                                                                                                                         /*tag- d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag- h
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /*tag= __k
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             769..1057
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag- )
473..551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /*tag= m
                                                                                                                                                                                                                                                                                                                                                                                                        /number=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Nandabalan K, Schull VP.
                                                                                                                                                                                                                                                                                                                                                                 .322
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          3.7
                                                                                                                                                                                                                                                                                                                                              /numper-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /number-
                                                                                                                                                                                                                                                                                                   40..i93
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  -beiw/
                                                                                                                                                                                                                                                                                                                                                                                /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*t.ag-
                                                                                                                                                         /*tag-
                                                                                                                                                                                                                     -pe1*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -be ;*/
                                                                                                                                                                                                                                                                                  /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (NANDZ) NANDABALAN K. (SCHITZ) SCHITZ V F
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              STEPHENS J C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   2000 543909749
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      P-PSDB; AAB23446.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (CHEW/) CHEW A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         7
                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            23 - FEB 1999,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       W0200050436
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 - Attg - 2000
                                                                                                                                                                                                                                                             variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 variation
                                                                                                                                                                                                                                                                                                                                                                                                                           variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            variation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (STEP/)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Oxon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         exon
                                                                                                                                                                                                    CXC
                                                                                                                                                                                                                                                                                                        oxon
                                                                                                                                                                                                                                                                                                                                                                 PXOD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              noxe.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     exon
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 exon
                                                                                                                   Key
CDS
BARXED X LAX BARAXEX BARA CONTRACTOR CONTRAC
```

```
..
O
                                                                                                                                                 The present invention relates to polymorphic variants of the tumoun necrosis lactor receptor I (INER) gene. The present sequence is the colding acquarge of the THERI agene. The sequence of the whole gene is given in AAA95102, AAA95104. The polymorphisms were identified by amp liying and sequencing regions of the acc. Twelve polymorphism were polymorphic lord, were discovered, of these twelve polymorphisms, rest cause a change in the INER protein. The INER polymorphisms may be useful for studying the biological tunction of INER as well as for
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             4.20
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      421 tterantertteaattgragestetgrafereatangaerstaraeetetsetgregggg 480
| HEREFOLDHILLEHERHERHILLEHERHERHERHERHERHERHERHERHERHERHERHER
421 terantar Escantrarae (segentrale
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                $100
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                361 caggacannettetutugetanaggaagaannagtanneggnattattegantaaaaanett 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 861 agirtilacrititatroctroticilcaffagitlaatafartariacraacggfagaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      661 untertiges tittalecetsetestiggittaatgialegetas aasgytgaaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    63. gapaatatarahhhiranagaittattggantgatthatthollasi tanagaanangganaanaga 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 qataqtatutatereraaggaaaaatatateeeeeteaaaataattegatttactgtace 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           6] ggaastatacocctooggggttattggantggtonotoacontaagggacaaggagaagaa 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        2. alabage to be acceptancetancetantance and another text against for the acceptant against the process of the 
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Co Cares
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1. attadan ti tin an gladertdabelantan in hadigi ficil agagidat lagga 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   identifying drugs targeting the protein for freatment of disorders related to its abnormal expression or function such as tumbours, apoptosis related disorders and bacterial infection.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          541 Teet glaaf aact at saqaaaaqeetiyyaqtiqeacaaag 1914cet arveeagat foag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           601 aatutiaaayyooniyaayyanicayyo ah acayiyotyitoo hoolyyinatiitootti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     His to total attached and an analytical or the analytical acceptance of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                801. agritgeterkaaatusesgaaaaaaaaluggatekaagtuggaaris tis tis tis asaqtuggae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           283. aartoo u la ra qaalista Olaba laabaa Sabi saaru si aara aaraa aaraa.
TOTATII OLOOTII OOTII OOTII
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1861 - amplides as anagglades that as and gas light suntain equipment and as do be
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               80), agetgetin aaatguugaaaggaaatguptdaggiggaat totintta aragiggan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             481 dedicaques accidint poussitus accidint
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          481 adadayadadayiyiyiyadayilyddatiyadayititiittidagagagaaadagaayiytett
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 99.9%; Score 1366.4; DB 21; Length 1468; 99.9%; Pred. No. 6;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ir inders
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Sequence 1368 RP; 292 A; 424 C; 376 G, 276 1; 6 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C. M.smatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 protein for treating disorders
                                                                             Claim 7: Fiq 4: 79pp: English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Best Local Similarity 99.9
Matches 1967, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       CP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         골
    \mathbf{F} \times \mathbf{S} \times \mathbf{S}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          급
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ċ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ġ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             켮
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 \vec{O}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        덈
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 켭
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   44
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \stackrel{>}{\circ}
```

```
1201 tacagcatgctgqcqacctgqaggcgqcycacycqcgqcycqqagqccacyctggagctg 1266
                                                                                                                                                                                      deligacement certifique and decete especie especie especie esta especie espanda de 1020
                                                                                                                                                                                                  1021 tgggaggacagcqrccacaagccacagagcctagacactgatgacecegegacgctgtae 1080
                                                                                                                                                                                                                                                                    1021 - adapagnamadagnimmandagn mamanagnim ayan ar tigal gamminggagaggag - 1080
                                                                                                                                                                                                                                                                                            1081 geogloglogagaacqtgeeeeegtlgegetqqaaqqaatleqtyeyqegeetagggetg 1140
                                                                                                                                                                                                                                                                                                                      1081 geogtggtggagaaegtgeeeeegttgegetggaaggaattegtgeggeggeetagggetg 1140
                                                                                                                                                                                                                                                                                                                                                                          1261 ctgggacgcgtgctccgcgacatggacctgctgggctgcctggaggacatcgaggaggcg 1320
                         781 ggaactactactaageeertggeeeraaaeeeaagetteagteeeaeteeaggetteaee 840
                                     841 cceaecetgggetteagteeegtgeeeagtteeaectteaeeteeageteeaeetataee 900
                                                                                          ecoggigaetgi eccaaetiligeggei eecogcagagaggiggeaecaaectaliyaygyg 960
                                                                                                                                                            901 eccyytyaetyteecaaetttgegyeteecegragagagatggeaceacetatragggg 960
72] tecaagetetactecattytttgtsgqaaaategacacetgaaaaagagggggggcttgaa 780
                                                                                                                                                                                                                                                         1321 ettigaggeeeegeetreegeeergeeggeeggeeggtetteteagaiga 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   30kD INF inhibitor precursor gene in lambda-q110-7ctnfbp.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             lumour necrosis factor; inhibitor; ss
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Location/Qualitiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      占
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AAQ10883 standard; cDNA; 2088
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89US-0381080.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             89US-0450329.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   9005-0479661
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         90AU-0058976
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         13-MAY-1991 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             171..1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (SYNE-) SYNERGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         16-300-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  07-FER-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                18-JUL-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              11-DEC-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     AU9058976-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24 - JAN - 1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAQ10883;
                                                                                                                                 901
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ10883
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                                                  90
                                                                                                      셤
                                                                                                                                 ò
                                                                                                                                                            <u>ດ</u>
                                                                                                                                                                                                           a
                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                 셤
                                                                                                                                                                                                                                                                                                                     ₽
                                                                                                                                                                                                                                                                                                                                                   ć
                                                                                                                                                                                                                                                                                                                                                                        a
                                                                                                                                                                                                                                                                                                                                                                                                                             qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                      Ś
                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                    ò
```

```
qqaatataccccccaqqqqttattqqactqqtccctcacctaqqqqacaqqqaqaqa 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    tocaagototactocattgtttgttgggaaatogacacotgaaaaagagqqqqqqcttqaa 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  gatagtgtgtgtgtccccaaggaaaatatatccaccctcaaaataattcgatttgctgtace 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      289 gatagtgtgtgtccccaaggaaaatatatccaccctcaaaataattcgatttgctgtacc 348
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      181 aaytgecaacaaaggaacetaettgtacaatgaetgteeaggeeeggggeaggataeggae 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  241 tgcagggaglgtgagagggeteeltearegettcagaaaacaeetcagacaetgeete 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                409 tycagggagtgtgagagagagtcottcacogottcagaaaaccacetcayacactgootc 468
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301 agetgetecaaatgeegaaaggaaatgggteaggtggagatettggatettgeacaqtggae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            361 egggacaceytytytytyctycayyaagaaeeaytaeeyyeattattygagtgaaaaeett 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          421 ticcagigeticaatigcageetetgeetcaatgggaeegigeaeeteteetgeeaggag 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        481 aaacagaacaccgtgtgcacctgccatgcaggtttcttctaagagaaaacgagtgtgtc 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               601 aatgillaaaggeeetgaagaetcaaggeaceacacaglgetgiltgeeetgglealitifetii. 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   661 ggiottigeeriitateeeteeteeteatiggiitaatgiategetaeeaaaggiggigaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        229 ggaatatucccctcaggggttattggactggtccctcacctaggggucagggagagagaga 288
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       349 aagtyccacaaaayyaacetaettytacaatyaetyteeayyeeeyyyyeayyataeyyae 408
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            469 agetgetecaaatgecgaaaggaaatgggteaggtagagatetettettgeacagtagae 528
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          529 egggacacegigigigetgeaggaagaaceagtaeeggeattaiiggagigaaaacett 588
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 789 toorigtagtaamigtaagaaaagooriggagigoangaagiigiqooiaooooagaiigag 768
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     769 aatgitaaagggeacigaggacicaggeaccacagtgrigtigceeciggieatitiiriti 828
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 829 ggtettigeelttialocelociectettaangtinaargiaredelaceaacggiggaag 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1 atgggceteteceaeegtgeetgaeetgetgetgeeaetggtgeteetggagetgttggtg 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                0; Gaps
                                                                                                                                                                                                                                                                   gene can be inserted into expression vectors for prepn. of INF inhibitor for use in the treatment of inflammatory and degenerative
                                                                                                                                                                                                                                               The whole
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           99.9%; Score 1366.4; DB 12; Length 208B;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumour necrosis factor inhibitor - for suppression of INF-alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          The sequence encodes the entire at kn INF inhibitor. The clone which the sequence was obtd. Was isolated from a cDNA library prepd. Irom RNA form U937 cells treated with PMA/PHA. The wh
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1; Indels
                                                                                                                                                                                                                                                                                                                                                                                        Sequence 2088 BF: 439 A; 526 C; 578 G; 445 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Fred. No. 0;
                                                                                                                                                                                                                                                                                                                                           See also AAQ10878, AAQ10884 and AAQ10907.
                                                                                              and -beta, useful as therapeutic agent.
                                                                                                                                            Disclosure, Fig 21; 142pp; English.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.98;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Best Local Similarity 99.9%
Matches 1367; Conservative
WPI; 1991-073847/11.
                         P-PSDB; AAR10986.
                                                                                                                                                                                                                                                                                                                      diseases.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            61
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 721
  ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  임
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ë
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   <del>Q</del>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      òγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           \frac{q}{c}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Óγ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      슬
```

ċ

```
1249 geogiggiggagaangigeeeeegitgegeiggaaggaattegtgeggegeetagggetg 1308
                                                       949 ggaactactactaateagceetggeeeaaaeeeaagetteagteeeagetteage 1008
                                                                                                                                                                      | getgaennnateettgnganagnnntngnntnngannnnatnnnnaannnnnttnagaag | 1020
                                                                                                                                                                                                                            1129 getgaececatecttgegacagecetmgnntnngannnalinnnaakhhhhitragaag 1188
                                                                                                                                                                                                                                                                                  1189 tyggaggacagogcccacaagccaragagcctagacactgatgaccccgcgcgctgtar 1248
                                                                                                                                                                                                                                                                                                                                                                        agegaccaegagategateggetggagetgcagaacgggeetgeetggggagaggggaa 1200
                                                                                                                                                                                                                                                                                                                                                                                                1309 agegaccacgagategateggelggagetgeagaaegggegetgeetgeegegaggegeaa 1368
                                                                                                                                                                                                                                                                                                                                                                                                                               1369 tacagcatgriggngarriggaggnggngnacgccgcggggggggggggggggggggtggagctg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      -ctgggargrgtgrtrngngarafggaretggetgggetgcetggaggaeatcgaggaggeg -1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1429 ctgggaegegtgeteegegaacatggaeettgetgggetgeetggaagaeategaggaggeg 1488
889 torraagototactorityiiityijagaaalogadaootgaaaaagaggggggggggg 948
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        PNF inhibitor, antiinflammatory, Tumoar Necrosis Factor, interlegkin,
                            eccaecetgggetteagteecgtgeecagtteeacetteaceteeageteeacetataee
                                                                                                                                                                                                                                                                                                              geeglagiagaaaagigeeeeailgegelggaagaailegigeggegeetagggetg
                                                                                                                                         nnnggi gant gt chcaact til geggetledddgagagagagagtggnachannnt at hagggg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 IL-1; inflammatory disease, degenerative disease; human; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ctttgoggcccogcoctcccgccgccqcqcccaqtcttctcaqatqa 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1489 etttqegqeecegeegeeteegeegegeecagtetteteagatga 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Human 30 kDa TNF inhibitor precursor coding sequence
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAC83946 standard. PNA: 2088 RP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93US-0090366.
89US-0381080.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     95HS-0375242.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            89US-0450329.
90US-0479661.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90HS-0555274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 02-MAR-2001 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (AMGE-) AMGEN INC.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     19-JAN-1995;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                16-1111-1880;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               09-JUL-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             18-JUL-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-FER-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             US6143866-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            11 - DEC - 1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         07-NOV-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAC83946;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1261
                                                                                                                                                                                                                                                                                                                1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1321
                            781
                                                                                                                                                                                                                                                                                                                                                                                                                              1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                            q
                                                                                                                                                                                                                         q:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               qq
                            ŝ
                                                     g
                                                                                 ò
                                                                                                                                          Š
                                                                                                                                                                   q
                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                     O_{\tilde{x}}
                                                                                                                                                                                                                                                                             Q
                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                     ó
                                                                                                                                                                                                                                                                                                                                                                                            g
                                                                                                                                                                                                                                                                                                                                                                                                                            \ddot{o}
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Dp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

Hale KK, Brewer MT, Thompson RC;

King MW,

Squires C,

```
The present invention relates to Tumbour Newtonis Factor (THF) inhibitors (see ARR376F6 and ARR376F5), which have NFF inhibitory activity, the nevel THF inhibitor of the present in-centur are used, to their apentic agents for inhibiting the activity of TMF and interleukin (IL-1), and for realing inflammable, and degenerate discusses medicated by IMF. The present segence is the centure discusses included by IMF. The present segence is the centure in the present segence of the inhibitor and inhibitor and inhibit alpha.
                                                                                     Novel 30 kDa tumor necrosis factor inhibitor analog comprising a nor native cysteine tesidue cross-linked with polycthylene glycol, useful for treating inflammatory and degenerative diseases mediated by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    121 gatagigigigigicoccaaggaaaatatatocaccctcaaaataattugattigotgiace 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          00
00
00
00
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               0.1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                010
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            708
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1 atgggenterenangtgentgengelgelgenantgglentgenentgggentatiggig
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          61 ggaatataconotoaggggttattggactggtccctcacctagggdacauggaagaagaaga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           229. ggaatatacoccicaggagillaliggacigsteerebaggagaagaaaagaga
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       101 agctgeteraaatgeegaaaggaaatgggteeaggtggagatetetttgeacagtggae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ttonagtgottopattgoagontottgontoaalgggaes atg. ae. tx tx ritgreaggag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        709 tectgtagtaaetgtaagaaaageetggaagtgeaegaagttgtgeetaeeeeagattgag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     289 gatagtgtgtnnnnnaaggaaaatatatooocooleaaaataattogatttgetgtaee
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24] tgcagggagtgtgagagggggttcattcattgattcataaaaaccacttcatacattc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          169 agetgeteraaatgerstaaaggaaatggteraggtegagatetettetteregtggae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                529 oggyacaccytytytyggctgcaggaagaaccagtarrygcattattggaaytgaaaarctt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               649 aaacagaaceccytytyteeectgceatgcayytttetttiituagayuuaacyagtgtgte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 541 tectataglaarigiaagaaaaageelgaaqiqoaqaaiiqigordaeccaqaiiqaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   181 anamgnapanggigitgiannignmit pra patit titti tan ta anaman aa igat pirili 111111111111111111111111111111111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              99.9%; Score 1366.4; DB 22; Lougth 2088; 99.9%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1; indets
                                                                                                                                                                                                                                                                                                                                                                Sequence 2088 BF, 439 A, 626 C, 578 G, 445 I, 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                               0; Mismatches
                                                                                                                                                                                Example 6, Fig 21, 82pp; English.
Vannaioe J.
                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity 99.99
Matches 1367; Conservative
                                  006443,01
Vandersiice RW,
                                                  P-PSDB; AAB37677
                                  T000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       5
               qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           님
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   \overrightarrow{a}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        á
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     \overset{\circ}{\sim}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Οý
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
```

```
Tumour necrosis factor binding protein, INF, insoluble protein, agonist, anti-inflammatory, antimalarial, treatment, septic sheek, inflammatfon, autoimmune glomerulonephritis, cerebral malaria, immune response,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1081 geography agagaa og by geoccogtty og og stagaanteg typeg geography og 1140 milli mill
                                                                                                                                                                                                                                                                                                     949 ggaactactactaagcccctggccccaaaacccaagcttcagtcccactccaggcttcacc 1008
                                                                                                                                                                                                                                                                                                                                                                                                                                                        1009 creacentyqqetteaqteneqtqeecaqttecaentteaectecaqetecaentataec 1068
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1069 eccqqtyaetqteecaaetttgcggeteeccgeagagaggtggeaceaecetateagggg 1128
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      getgaecceatecttgegaeageertegeeteegaeceeateeceaaeceetteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1129 grigarrecatectigegaeageretegeeteegaeeeeateeeaaeeeetteagaag 1188
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             tgggaggacagcgccacaagccacagagcctaqacatgatgacccgcgcgacgctac 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1249 groyfggfggagaargfgrorrogttgrgatggaagtattegtgegegegeetagggetg 1308
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1309 adrogamangagatngatnggantggagntgnagaangggngstgnntgngngagggggaa 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1261 rigggaratgaetregrgacatggacetgetgggrtgeetggaggacategaggagatgf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1429 cigggacgrafgciccgcgacaiggaccigctgctgcciggaggaggaggaggaggcg 1488
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1369 tacaqeatqetiggeqaeetqqaqqeqqeqeeqeeqeqqeqqeqaqqeeacqetqqaqetg 1428
                                                                                                                                                                                                                      781 gagactactagtcactgq.coctgq.cocaaaccaagctt.cagtcccactccaggcttcacc 846
                                                                                                                                                                                                                                                                                                                                                                             841 cceaecetgggetteagteeegtgeeagtteeaeetteaeeteeageteeaectataee 900
                                                                           tecaagetetactecattytttgtgggaaategaeaettgaaaaggggggggggttgaa 780
                                                                                                           829 gatetiigeetiilateeteetetteattggiitaalgialegetaeeaaeggiggaag 888
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                901 conguigaciuloccaactitquqqeteceeqeaqaqaqqiggeaceaeetaleagggg
                                                                                                                                                                                                                                                                                                                                                                                                                    1321 efflygagaaangaaanaaanaaaaaaagaaagaagaagaaga 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1489 etttgeggeeeegeegeegeerereegegeeeagtetteteagatga 1536
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Human tumour necrosis factor binding protein cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /product - "INF binding protein"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          oration/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAZ09170 standard; cDNA; 2111 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 18-OCT-1999 (tirst entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag- b
274..1551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       antagonist; diagnosis; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     187..1554
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            . 273
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /*! aq-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              HOMO Sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AA209170;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1201
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  196
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AA209170
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT
                                                                           ć
                                                                                                                                                                                                                                                                                                 2
                                                                                                                                                                                                                                                                                                                                                                             ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ò
```

```
their (in)soluble fragments (Ia) and their sails that can bind tumour necrosis factor (TNF) The products of the invention have anti-inflammatory and antimalarial activity. (1) and (1a) are used (i) to treat diseases in which TNF is involved (e.g. septic shock, autoimmune glomeruloumphritis, cerebral malaria, immune responses and inflammation), (ii) to purity TNF, (iii) to identify TNF (an)squoists and (iv) for displayostic determination of TNF in body fluids. Antibodies raised against (1) are used for affinity puritication of (1). This sequence encodes a tumour necrosis factor binding protein described in the method of
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gatagtgtgtgtgtcccaaggaaaatatatccacctcaaaataattcgatttqctgtacc 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          241 tgragggagtgtgagagggtteetteaeegettraaaaaeeaeeteaaartguete 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              30] agetgetecaaatgeogaaaggaaatgggteagytyyayatetettettyeaeagtggae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          42] ttocagigeticaatigeayoototgeeteaatygyaeeyigeaeeteteetyeeaggag 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  187 atgggcctctccaccgtgcctgacctgctyctgccgctgctgctgctggagctgttggtg 246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     247 ggaatatacccctcaggggtLattggactggtcctcacctaggggacagggagaagaga 306
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        307 gatagigigigiceceaaggaaaatatecaceeteaaaataattegattigetgiaee 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               367 aagtgeeddaaggaacetaettgtacaatgaetgteeaggeeeggggdaggataeggae 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            487 ayetyeteeaaatyeegaaayyaaatyyyteayytyyayatetettettyeacaytyyae 54b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               547 egggacacegtgtgtggetgcaggaagaaccagtaceggcattattggagtgaaaacctt 606
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1 atagaectetecaccatgeetgacetgetgetgetgecactggtgetectggagetgttggtg 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New insoluble proteins, and fragments, that bind to tumor necrosis factor, used to treat e.g. septic shock or cerebral malaria
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   aaqtiqocacaaaqqaacotactitgfacaatgacfgtircaqqococqqqqqcaqqafacqqac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        This invention describes novel homogeneous insoluble proteins (1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             99.9%; Score 1366.4; DB 20; Length 2111; 99.9%; Pred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Dembic 2, Gentz R, Lesslauer W, Loetscher
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence 2111 BP; 445 A; 629 C; 587 G; 450 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                            (HOFF ) HOFFMANN LA ROCHE & CO AG F.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Claim 4; Fig 1; 25pp; German.
                                                                                                                                                  90EP-0116707.
                                                                                                                                                                                                                              40cH-0001347.
                                                                                                                                                                                                                                                                 89CH-0003319.
                                                                                                                                                                                                                                                                                                         9UCH-UUUU746.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Matches 1367; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Hest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               WPI; 1999-480840/41.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P-PSDB; AAY30934.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                        Brockhaus M,
                                                                                                                                                      31-AUG-1990;
                                                                                                                                                                                                                                                             12-SEP-1989;
                                                                                                                                                                                                                                                                                                     UB-MAK-1990;
                                                                                                                                                                                                                              20-APR-1490;
EP939121-A2
                                                                       01-SEP-1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Schlaeger
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                121
NAME OF THE PROPERTY OF THE PR
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 QQ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        \frac{1}{2}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ć
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ä
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               đ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              qq
```

.; O

9

2€

Ś 5 ò E C ò g

ò

3

ó

```
96] gotgaccentecttgogaeageottgertcogaccecatececanoecetteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1021 taggaagacagegecacagagecacagagectagacagagecgaegegegegegegetgtae 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1267 googtagtagaaaaataocoogttacactagaayyaatlogtgogoogootagggotg 1326
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1327. agogannangagatingatinggintggagntghagaangggnggngorgorgorgogogoaa 1386
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1261 etiggaecontiontendeganatggaectgetiggetigeetigaggaeategaggaggeg 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  967 gqaactantantaaqneestqqssssaaaseeraagstLcaqtcssactssaggst.cans 1026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       1027 economisguettragicesjigeceagitecaentieaestecagetecaectatude 1086
                                                                                                                                                                                                                                                                                                                                                                                                                                           901 consisting of the constitution of the content o
481 aaassagaassesetytyyysestyssatysayyttieittietaayayaaaaasgagiqigis 540
                                               721 tecaaagetetaetreatitgtittgtaggaaategaeaeetgaaaaagaggggagetigaa 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       troigiagiaarigiaagaaaagcolggagigcacgaagtacclaccocagaligag 500
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aatgittaaggggrantgagganteagggaacacacagtgetgittgeeeetggtealittietit. 846
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      getettigeettilateeeteetetteatigettiaatgialegetaceaacgqlqqaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 847 ggtetttgrettttatreetretetteattggtttaatgtategetaceaaeggtggaag 906
                                                                                                                                                                                                                                                                                                                          toctglaqtaactglaagaaaagectggaatgcacgaagttgtgcctacccagattgag 786
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumbur merrosis factor receptor type 1. INFB1. antisense, infection
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Human tumnur ingresis factor receptor (INFF) nucleotide sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1147 getgaededetecttqnganaqnnntngnntnngan neathdedaauhuubtluugaag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 AA248475 standard; DNA; 2161 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (first catry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                31-MAR-2000
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AA248475;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AA248475
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            <del>G</del>C
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ΟŽ
```

d

5

<u>a</u> 9 q Š d G ò 3 Ś

```
necrosis factor receptor type I (INTR) KNA. These antiscusse compounds can be used in a selbed of inhibiting the expression of INTRI human cells of thismass. The antiscuse compounds specifically hybridize with one or more nectice acids encoding TRINI mediating the function of nucleic acids encoding TRINI mediating the function of nucleic acid molecules encoding TRINI industry modulating the amount of TWPN produced. The autiscuse compounds and method are useful as research reagents and diamostics, and in the treatment and prophylaxis of intertion, influention of turnar formation. The present sequence represents the nucleotide sequence of human TWPP (dondark Acon No. N5511).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   361 kapapa an atatatatang agaagaan antara agaan agaattataaa 420 (1920) | PERTITE TELEFORM | PERTITE | PERT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             301 agetgetinnaaatgeegaaaquaaatquuheaqutyqaqaahehettysanaytqgae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       61. gasatatask kiticagaggittattigam tagitkisitkan fassagasagisaga 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 12] qataqtqtqtqtqtqtqcqqaaqqaaatifitonannotoaaaataattnia:ttaqtqsqn 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 436 aaytycharaaayyaacutanttutanaatyactyturayyoocoyyyyoonyaatacyyaac 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       496 Tacaaqqaasatataaqaqqaqctccttcaccqcttcaqasaaccacstcaqacactactc 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    556 ayotyetecaaatyeeyaaaaqqaaatyqqteaygtayayatettettetteeagtggae 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  616 reggyaraccytytytytytyk tyraggaaccayta cygdrattatiggaantgaaanott 675
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             256 მზყფლი აზანანანტიტენტის წყოსაზლა ზლი ნლაწლზეტებურა ზანანტეტიტებებ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      316 agaatatannootoaagaattattajantuutinootoan tavavavannavauudaagada 375
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       O; Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Antisense inhibition of tumor necrosis factor type I expression for diagnosis, treatment and prevention of disease, particularly tumors
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           The invention provides antisense compounds targeted to human tumour
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      24) itquaqqqaqtqtqaqaqcqqctoottoacqcttcaqaaaacactaataaaacactgcctc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.9%; Score 1366.4; DB 21; Leagth 2161;
99.9%; Fred. No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1; Indets
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2161 BP; 459 A; 542 C; 644 G; 456 I; ' other;
inflammation; tumour formation; INFR1; auticancer; ds
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   0; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Example 10: Columns 33-36; 34pp; English.
                                                                                                                                                                                                                                                                                                                                                                                     980S-0106038.
                                                                                                                                                                                                                                                                                                               98US-0106038
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Matches 1367; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    (ISIS-) ISIS PHARM INC
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Baker BF, Cowsert LM;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         WPI; 2000-10543709.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Local Similarity
                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                          26-JUN 1998:
                                                                                                                                                                                                                                                                                                                                                                                         26-JUN-1998;
                                                                                                                                                         US6007995-A
                                                                                                                                                                                                                                    28 - DEC - 1999
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    2
    q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
```

autoimmune glomerulonephritis, lymphekine, eytekine

```
1036 ggaactactactaagecectygececaaaeceaagetteagteecaeteeaggetteace 1095
                                                                                                                                                                                                                                                                                                                                                                                                                                   1156 eccggtgaetgteccaartttgeggeteeeggagagaggggaeeacetateagggg 1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1216 gorganorgatontigoganageretegenterganeereateereaaereeretteagaag 1275
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1021 tydyddygacagogorcacadgoranayayottagacatgatgatogocogogaegotgtue 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1336 geoglygitggagaacgtycececgttgegettggaaggaattegtgeggegeetagggetg 1395
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              1141 agegannangagatingatinggntiggagetgnagaanggegetgentgentgegaggegen 1200
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1396 agodaccacqaqatogatoggotggagotgoagaangggogotgootgoogaggggaa 1455
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 1201 tahagcatgotagotagontagaaggoggogangnangnagagaagahaaayutagaactg 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1261 otaaaacacatantovanaaaaataaaootantanootyaayaatoyaayaayayoo 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1516 ctgggacgcgtgctccgcgacatggacctgctgggctgcctggaggacatcgagggcg 1575
                                                                                                                                                                                                                                                                                                                                                                                                                    841 cccaccetqqqqtttcaqtbqcqtqcoqttbcaavttcacttcaavtoaqttoadtalo
48] aaacagaacaccgtgtgcacctgccatgcaqgtttctttctaagagaaaacgagtgtgtc 540
                                736 aaacaqaanannnininnanninnatgeaqqtttctttctaaqaqaaaacqaqtqtqtc 795
                                                                    trictgragtaactgraagaaaagretggagtgeacgaagttgtgeetaeceeagattgag 600
                                                                                     856 maight aagggeactgaggacheaggeaceaagtgetgitgeeetggteattitetti 915
                                                                                                                                                                                                         661 ggtetttgeettttateeeteetteattggtttaatgtategetaceaaeggtggaag 720
                                                                                                                                                                                                                         tecongetetactocottgtttfgtgggooategacacetyaaaaaggggggggeettgaa 780
                                                                                                                                                                                                                                                                                                                                               781 ggaantantantaaqonnetggenecaaaannnaagn!!naginenaafonaaggettoado 840
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       961 getgannonathettgeganagenetegentengannenatenebaaebbetteagaag
                                                                                                                                                                                                                                                                                                                                                                   fumour Nectosis Factor; binding proteins; septic shock;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Encodes human 55kD TNF-binding protein.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          AAQ10955 standard; cDNA; 2111 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             24-MAY-1991 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ10955;
                                                                                                                                                                                                                                                                              131
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAQ10955
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           RESULT
                              â
                                                                                                                                        ŝ
                                                                                                                                                                      ģ
                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                              ें
                                                                                                                                                                                                                                                                                                                                             ŝ
                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                    Š
                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ें
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ें
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          <u>a</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Ś
```

```
12] gatagtgtgtgtvcccaaggaaaatatatccacctcaaaataattcgatttgctgtacc 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 aagtgecacaaaggaacetaettgtaraatgaetgtecaggeergggeaggafaeggaf 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24] tgcagggagtgtgagagcggctccttcaccgcttcagaaaaccacctcagacartgcctr 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       427 Egcagggagtglgagagcggctcctlcaccgctlcagaaaccacctcagacartgcctc 486
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     61 ggaatatacccctcaggggttattggactggtccctcacctaggggacagggayaayaga 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      307 gatagtytytyteececaaggaaaatatecaeceteaaataattegatttyntytaen 366
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      367 aagtgecacaaaggaacetaettgtacaatgaetgtecaggeeeyggeggggagataeygae 426
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      piacental cDNA bank constructed in lambda gill. Positive clones were identified and sequenced. DNA constructs comprising the INF-BP coding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1 algageololocacoglacolgacolgolochgolacidatyoloclagaad. Lalltaalu 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Fartial amino acid sequences were determined for the 55 and 75kD TNF-BPs (see AAR11072-K11081) and oligonucleotide primers were synthesised based on these partial sequences. The primers were used to produce a CDNA fragment for use as aprobe to screen a human placement curve as a sprobe to screen a human placement is UNA bank constructed in lambda 9tll. Positive clones were
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           sequence may also contain a trayment encoding a human 1g domain.
Recombinant constructs are used to transform cells to conter
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   99.8%; Score 1364.8; DB 12; Length 2111; 99.9%; Pred, No. 0;
                                                                                                                                                                                                                                                                                                                                                                                                                                                  Insoluble turnour necrosis factor binding proteins - and DNA encoding them, useful in pharmaceutical prods, and for antibody
                                                                                                                                                                                                                                                                                                                                                    Demble 2, Gentz R, Lesslauer W, Lotscher H;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Sequence 2111 DP; 445 A; 628 C; 588 G; 450 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ć.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Mismatches
                                                                                                              /product= 55kD TNF-BP
                                 Location/Qualitiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     improved TNF binding properties.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ċ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Claim 4; Fig 1; 26pp; German.
                                                                                                                                                                                                                                                                                                                    (HOFF ) HOFFMANN-LA ROCHE AG.
                                                                                                                                                                                                                                                  90CH-0001347.
                                                                                                                                                                                                                                                                   89CH-0003319.
                                                                                                                                                                                                                  90EP-0116707
                                                                                                                                                                                                                                                                                   90x 9-0000 746
                                                                             274..1551
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Junservative
                                                  . 273
                                                                                                  /*tag-
                                                                /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                 WPI; 1991-081851/12.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    See also AAQ10956.
                                                                                                                                                                                                                                                                                                                                                                                                                     P-PSDB; AARIJUBZ.
                                                                                                                                                                                                                                                                                                                                                                    Schlaeger EJ;
                                                                                                                                                                                                                31-AUG-1990;
                                                                                                                                                                                                                                                  20-APR-1990;
                                                                                                                                                                                                                                                                                   08-MAR-1990;
                                                                                                                                                                                                                                                                                                                                                  Brockhaus M,
                                                                                                                                                                                                                                                                     2-SEP-1989;
                                               siq_poptide
                                                                                                                                                                               20-MAR-1991.
                                                                                mat_peptide
                                                                                                                                               EP417563-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Best Local Sim
Matches 1366,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Osery Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     prodn.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       301
ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Ö.
```

```
961 delgarreratectiqogarageectoqeeteqaectecatececaaeeectteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            1261 otggggangogtgetengngalatggaentgdttgggntgnntggaggaestegaggagggg 1320
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1087 conqqtqactgtoccaactttqcygctoccgcagaggtggcaccaccctatcagggg 1146
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  1147 grtgareceatecttgegacageeteggeeteegaceeeateeeaageertteagaag 1206
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       tijija jaadagogondanaa kodadagagoodta jandeetya tgadoodoogogaegotejtun (1086)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               TOTTO TOTAL SPACES SET SANDERS OF A SECTION OF SET ASSESSED SET ASSESSED TO SET ASSESSED ASSESSED SET ASSESSED ASSESSE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Lacagrabystygstygstygaytogsgropergropsgropsgropsgropsgropsgropstygagstyg (260)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1447 - etgagacqegtgettengeganafgganen getgggetgeetgestggaggacategaggaggeg - 1506
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             967 ggaantantaptaagninnitggconnaaabbsaagstteagtebeactebaggetteacn 1026
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1327 agrgannangagatotatogottggattgaactgoagaakogggogotgoottgoottgoog
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             487 agetigeticcaaatgeegaaaggaaatgggteaggtigaagatetitetiigeacagtiggae 546
                                                                                               361 cyyyanaccgigigigyntycaygaagaaccagiaccggcaifiailggagigaaaaccii 420
                                                                                                                                            HITTIHHITTIHHITTIHHITTIHHITTIHHITTIHHITTIHHITTIHHITTIHHITTIH
547 ngggangsongtgtgtgtggntganggaangaanggannggattattgaattgaaaactt 606
                                                                                                                                                                                                                                                                                    Threadysticeatitycarciftgecicaalqqqacqtigoaccictceiqceaqqq 480
                                                                                                                                                                                                                                                                                                                                                                               607 thomagignttoaattgragnototgrotoaatggganogtgnacetetectgenaggag 666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                               48l aaanagaanangigigignanignaaignaggiitteititetaagagaaaaggigigige 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 aatqttaaqqqcartqaqqactcaqqqcaccacaqtqctqttqccrtqqtcattttcttt 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 gatottigocitttaronoroninitoinigatiggittaatigotogotaccaacgaaggiggaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             847 ggtgtttgccttttatccclcclctcattggtttaatgtatcqctaccaucggtggaag 906
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        907 inhaaghintantonatigittytyggaaatogacaceigaaaagaggggagettgaa 966
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  781 ggaactactactageceetggeeeeaaaceeaagetteagteeeacteeagetteaeg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  841 cecacetgggetteagteregtgeeeagtteeacetteaceteeageteeagetataee 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1321 etitigrageoccarranectroegeccararicteccagata 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               =
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             <u>a</u>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  â
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ζŞ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ...
O
```

Paperson of this receptor is reputated by shoulding of the RJ DWA.

Paperson of this receptor fragment. The p55 INF R can be shed in response to different index ind agents, e.g. photocol myristate action (PMA).

To different index ind agents, e.g. photocol myristate action (PMA).

The depending on real Hype. The only region of the receptor whose structure after the index and lines region is located (Ser AMS). In the extracellular domain. This region is located rouse to a site of cleavage commanders, and lines the cys rich module to the transmontance domain. The spacer region of the encoded protein was used to create the chimeras between human p55 INF R and murine epidermal growth factor commans between human p55 INF R and murine epidermal growth factor commans between human p55 INF R and murine epidermal growth factor can be subjected to defende minaration of the most important residues are as 175, val 174, 174 and 61/175, vath val 174 before the most important of these residues of the receptor, is independent of the side chain identity of these residues, which alter the inhibiter of a protease that is capable of charing the soluble iNF-R from the cell bound iNF-R. Fragments of these inhibitors can be seen in AAP75017-9, AAP75025, AAP75042-4. these protease This sequence represents human p55 tumour necrosis factor (INF R) DNA. contornation of the protein afrersely effect the shedding process. In mutations shown in AAR75013-47 were introduced in order to create an pSS; rumour neriesis tactor receptor; INE-E; bemain mainnes edimera; epidermal growth factor receptor; EGE-E; protease; inhibitor; these professe New protease capable of cleaving soluble tumour necrosis factor (INE) receptor - from cell-bound IME: receptor, asefu, for antagonising deleterious effects of INE. inhibitors can be used for enhancing INF function. "possible poly-A signal" Matkin M. Braketusch C. Varfolomeev E. /\*tag= a /product= p55 TNF·R 14:10:00,000 | 1:10:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1:00:00 | 1 photbol myristate acetate, PMA, ss. Disclosure: Fla 1: 40pp: Enailsh. AAQ90513 otandard; DNA; 2175 BP (YEDA ) YEDA RES & DEV CO LID. 9-11-0107268. 5440 C075742 2144. 2149 19-JAN-1996 (Tirst entry) 256...1623 /\*t.aq-WP1; 1995-194342/26. P-PSDB; AAR75084. p55 INF-R gene. Homo sapiens. 12-001-1993; 11 oct 1994, AUS175742-A 04-MAY-1995 misc\_signal AAQ90513: 

O. Gaps

Inde) s

0; Mismatches Pred. No. 0;

99.98;

Best Local Similarity

Ouery Match

Matches 1956;

Constrait twe

99.8%; Score 1364.8; DB 16; Length 2175;

Sequence 2175 BP: 474 A; 642 C; 603 G; 456 T; 0 other;

| ۾ ج             | 1<br>256    | algggeteletecacegtaeetgaectgetgetgetgagggeteetggaggtgttggt<br>   |  |
|-----------------|-------------|--|--|
| <u> </u>        | я<br>316    | anaatatanningaqqqqtLatLqqacLqqLccctcacctaqqqqacaqqqqqqqqaallqqqqqqqqqqq                                      |  |
| ¥ 4             | 121         | gatadiyiqtgtccccaaygaaaatatatccaveeteaaataattegatttgetgiaee 18<br>   |  |
| ≿ વૃ            | 181         | aaqiqoracaaaqqaaocitatiqaaqqaciqicoaqqoqqqqqqqqqatacqqae 2<br>   |  |
| ≻ ਦ             | 241         | Ignaggaagigtgagaggeteetleacegetiseagaaaaeeeteagaeaetgeete 3<br>  |  |
| ત્ર             | 301<br>556  | aget geteckaaatgeegaaatgayteaggtegagatetettettgeacagtggae<br>  |  |
| <u>ک</u> ع      | 361         | Caggacaccctqtqtgtgtgtgtgctqcaggaagccaqtaccqcattattggaqtqaaaacctt 4<br>                                       |  |
| i≻ g            | 421<br>676  | ticcast get teaati geagest stact caataggacegigeace telecetyceaggag 4<br>                                     |  |
| ¥ . ख           | 481<br>736  | aaacayaacaccytytycacctyccatycayytttettetaayayaaacyaytytte 5<br>  |  |
| <u>&gt;</u> - ⊇ | 541         | Loctollantlantidariqtangarangrotignarqangtrotigtarcagattga<br>   |  |
| 2 ج             | 601<br>856  | aatgitaagggactgaggectcaggcaccacagtgctgttgccctggtcatttctt.<br>  |  |
| % d             | 661<br>916  | <pre>qgtctttgcctttatccctcttcattgqtttaatgtatcgctaccaacggtggaag []                                      </pre> |  |
| <u>ک</u> 5      | 721<br>976  | tecaagetelactecaltgiligigagaaalegacacetgaaaaagagggggggggagettgaa 78.<br>                                     |  |
| <u>ة</u> ~      | 781         | quaartantactaageneriqqeneeaaaneeaagetteagteeeaeteeaqetteaee<br>  |  |
| <u>ة</u> خ      | 841<br>1096 | crearcetaggetteagteceggtereachteachteaghteractatace [HIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII                   |  |
| يد ج            | 901         | rtgterraacttfargeberroppagggggggggggggggggggggggggggggggggg  |  |
| ي ج             | 961         | gaecegitett grassagreitegettegaetegategaatekeutuag<br>PHTITTHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHHH                |  |
| ਣ ਵ             | 0 %         | ggaggacaccacaagccacagagcctagacactgatgaccccgcgacgctgtac<br>   |  |

```
1141 agogaccacqaqatogatoggotggagotgcaqaacqggcgctgcctgcgcgaggcgraa 1200
                                                       1261 intigggangngtigntinngnganatgganntigntggantgentgentggagganatuggangung 1320
                                                                                                                                                      1516 etgggaegegtgeteegegaeatggaeetgetgggetgeetggaygaegtegaygaygeg 1575
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /*tag- e
/note= "encodes the extracellular domain of human
INF alpha receptor"
                                                                                                                                             Tumour necrosis lactor alpha; autoimmune diseases; cachectin; ss; extracellular domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The sequence is that of DNA encoding tumour necrosis factor alpha
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            New tumour necrosis factor alpha binding protein and polypeptide useful in treating cachexia, sepsis and auto immune diseases e.g. rheumatoid arthritis
                                                                                                                                                                                       1321 ettigeggeeeegeegeegteeteeggeeegegeeggeenagtetteteagatga 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /*tag= d
/sote= "hemologous to probe AAQ29974"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Feldman M, Gray P, Turner M, Brennan F;
                                                                                                                                                                                                                                                                                                                                                                                                 Location/Qualitiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Disclosure; Fig 1; 25pp; English.
                                                                                                                                                                                                                                                       AAQ20993 standard; DNA; 2062 BP.
                                                                                                                                                                                                                                                                                                                      INF-alpha binding protein gene.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           90GB-0013410.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     (CHAR-) CHARING CROSS SUNLE.
                                                                                                                                                                                                                                                                                                ll-MAY-1992 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                          /*tag- b
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          532
                                                                                                                                                                                                                                                                                                                                                                                                                               155..274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          242..751
                                                                                                                                                                                                                                                                                                                                                                                                                                                               /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI: 1992 043613/06.
P-PSDB: AAR20787.
                                                                                                                                                                                                                                                                                                                                                                            Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          15-JUN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                           misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           misc_feature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               15-JUN-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                 sig_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                     mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               GB2246569-A
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     05-FEB-1992.
                                                                                                                                                                                                                                                                           AAQ20973;
                                                                                                                                                                                                                                          AAQ20973
                                                                q
```

us-09-525-998a-1.rng

Page 11

```
0
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                gatagtgtgtgtccccaaggaaaatatatccacctcaaaataattcgatttgctgtacc 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301 agetgetecaaatgeegaaaggaaatgggteaggtggaagatetettettgeacagtggae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        361 cgggacacvgtgtgtgtgtgtgtgatgsagaaaccagtaccggcattattggagtgaaaacctt 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                421 tircagigeticaatigcagneteigeeteaatgggaengigcaenteiceigeaggag 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   18] aaamagaacacgtqtgcacmtgccatgcaggtttctttctaagagaaaacgagtgtgtc 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         601 aatqittaaqqqqqqcfqqqqqqqqqqqqqqqqqqqqqqqqtqqtqqtqqtqqtqttt.666
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       814
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  781. gadactactactadagerood agood Jaacona John orginery of mayor financia 840
                                                                                                                                                                                                                                                                                                                                                                                                                 ggaatatacccciragggiiisttggartggtcrctcacrtagggaragggagagagaga 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                            215 ggaatatacccctcaggggttattggactggtccctcacctaggggacagggaagaga 274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            335 aagtgocacaaaaggaacctacttgtacaatgactgtccagggcccggggcaggatacggac 394
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       395 igcagggagigigagagggeteetteacegetteagaaaaacaeeteagacaetyeete 454
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                515 egggacacegigitgigetgergeaggaaceagtaceggcattatiggagigaaacett 574
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      635 adacayaananoytatadaacitadoatacaydtticttictaayaaaaagagtgtgtc 694
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   54] toctgtagtaactgtaagaaaaqcrfggagtgrargaagffgrrrarccccagattgag 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         695 tecigtagtaaetgtaagaaaageetggagtgeaegaagttgtgeetaeeeeagattgag 754
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            815 getettigeetittateeeteetetteattgattiaatgtategetaeeaaeggiggaag 874
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            tocaagototactocatigiiiqtgqqaaatoqacacotqaaaaaqayyyyyagottyaa 780
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     875 tecaagetetactecattgtttgtgggaaategacacetgaaaaagaggggggggcttgaa 934
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               935 ggaantantantaagneertggeeeraaaeeeaagetteagteeeasteeaggetteaee 994
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             84] eccaeccigggetteagtecegigeceagitecaecticaectecageireaectataee 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 275 gatagigigigicorcaagguaaatatatocacoctoaaaataattogatitigelglane 334
                                                                                                                                                                                                                                                                                                                                                                   155 atyggeeteteeaeegtgeetgaeetgrigetgeegetggtggtgeteetggagetgttggtg 214
                                                                                                                                                                                                                                                                             0; Gaps
                                                                                                                                                                                                                                                                                                                        3 atgggcctrtccarcgtgcctgacctgctgctgccactggtgctcctggaqctgtttggtg 60
binding protein which was obid, irom a human placental cDNA library in lambda gill using a probe (AAQ20974). The DNA also encodes the extracellular domain of human TNF alpha receptor and as such it is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181. aagtgonanaaaggaanntanttgtanaatgantiltosaggshoyggguaggatanggas
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       755 aatyttaagggcactgaggactcaggcaccacagtgctgttgccctggtcatttcttt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               561 ggtetttgeettttateeeteetteattggtttaatgtategetaeeaaeggtggaag
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.6%; Score 1363.2; DB 13; Longth 2062;
99.8%; Pred. No. 0;
                                                                       Develof for treating discases where TWP alpha is immired as a causative agent, e.g. cachevita, sepsis and autoimmune discases, specifically rheumatoid arthritis. See also AAQ20474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3; Indels
                                                                                                                                                             Sequence 2062 NP; 439 A; 616 P; 624 B; 444 T; C other
                                                                                                                                                                                                                                                                             0; Mismatches
                                                                                                                                                                                                                                                        Pred No. 0;
                                                                                                                                                                                                                                                                           Matches 1365; Conservative
                                                                                                                                                                                                                                                        Best Local Similarity
                                                                                                                                                                                                                                Query Match
    555555<del>x</del>3
                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                   a
E
                                                                                                                                                                                                                                                                                                                                                                                                                 ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  \hat{q}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ^{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ć
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ŝ
```

```
1281 i tacaacaigot got gu baboch akagascangcachachachan goga agchanachachagh i daagkiig 1260
           1261 - Chabaak ababak Poda yak ababak dak tyaas tas kiragaaga magaga 1320
                                                                                                                                                                                                                                                                                                             1295 avingannandadulingalingantungantungaanuquingilariterahaaguungaa 1354
                                                                                                                                                                       1235 geogtgatagaaaaagtgeeecettgegetaaaaaateetgeggeetg 1294
                                               1355. Latray, atautung yaasii gyaqab dususa ar caraya, arqaaqi caraciganay ha
gatuan tatoo dan titunaan foo nigaaaaaaqtanannannisteaqaa
                                                                                                                     1175 indygangangan procanagacosciasascot asacact satasceesnaacat stae
                                                                                                                                                genatingagaacat geneengs tignget,ggaaaqaat tigstgeggegeet.aqaqeet.a
                                                                                                                                                                                                निक्की क्षत्रकारकारकारकारक कर्मार क्षत्र क्षित्रकार क्षित्र कार्यकार करा करा कर किरान क्षत्रकार कार्यक
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     tunical factorial factor alpha, extracellular binding dometro. It required, palmonary diseases, septic shock: HIV intertion: AIDS; malaria; arria; tati vorsus host disease; autoimmane disease; rhenmatoid arthritis.
                                                                                                                                                                                                                                                                                                                                               art - human INF alpha
1267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      seq:"Tuo", aa:Thi
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Zoodon- Seq"AAG", aasteu
1433,1435
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Loration/pwalitiors
156..1517
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Eucodes TNF alpha 55kD receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                       ΩÜ
                                                                                                                                                                                                                                                                                                                                                                                                                                       AAQ24440 standard: DMA: 2062
                                                                                                                                                                                                                                                              1267
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /*tag= a
/prodamt - l
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1258..1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      05-NOV-1992 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              -
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                *fag= d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /*!aq- e
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    156..274
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          /codon-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /*!aq-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         /*t.ag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /note-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        -$e1*/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 W05207076-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               mat_poptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            siq_pept.ide
                                                                     122 40094
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          mat_peptide
                                                                                                                                                                                                                                                                                                                                                                                                                                                              AAQ24440;
                                                                                                                                                                                                                                                                                                                                                                                                              10
                      5501
                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ24440
                                                                                                                                                                                                                                                                                                                                                                                                              RESUL!
                                                                                                                                                                      q
                                                                                                                                                                                                                                                                       a
                                                                                                                                                                                                                                                                                                                         q
                                                                                                                                                                                                                                                                                                                                                  ς'n
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ö.
                                                                                                                                                                                                ò
                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                 Š
                                                                                                                                                                                                                                                                                                 ŝ
                                                ć
                                                                                                                       셤
                                                                                                                                                 ć
```

40-APP 1992

```
library in 9110 was screened with probe AAQ29236. Ten hybridising clones were plague purified and ThNA size determined by TAGE against an ECO K of greated phage DNA. The inserts of two CDNA clones were then sequenced. The coding tegles of the majority of the human TNF alpha SFMD receptor was isolated as an ECORI fragment encoding 374 amino acids, and aloned into a mammalian cell extression vector, resulting in pITNFR. A derivative of the TNF-alpha receptor was produced by
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181 aaqtqccacaaaqqaacctacttqtacaatqactqtccaqqccqqqqqcaqqatacqqac 240
                                                                                                                                                                                                                                                                                                                                                                                                     Phis sequence encodes human TNF-alpha 55kD receptor . A placenta cDNA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    qqaatatacccctcaqqggttattggactgqtrcctcacctaqgggacagggagaagaga 120
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        121 gataqtqtqtqtccccaaqqaaaatatccaccctcaaaataattcgatttgctqtacc 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    275 gatagtgtgtgtrcccaaggaaaatatatccacctcaaaatatcgatttgctgtace 334
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        24] ignagggadigigagagoggeteetinacogeticagaaaaeeacteagacaeigeete 300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          40]. Agnigninnaaaignngaaaggaaaiggfnaggiggagainintintignanagiggan 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        155 atgagenterenaeegtgeetgaeetgetgetgeeggetggtgeteetggagetgttggtg 214
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            215 quaalalarecetraqqqqttattqqaetqqteecteaectaqqqqacaqqqqaqaaqaqq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      0; Caps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1 aluggeeteteeaeegtaeetgaeetaetgetgeeaetggtgeteetggagetgttggtg 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   restriction fragment which was cloned into prTNFR, giving pTNFReed. DNA sequencing confirmed this contained the designed DNA sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        455 agetgetecaaaatgrogaaaggaaaatggteaggtggagatetettettgeaeagtggae
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            See also AAQ24449-51, AAR24000. AAR24080+84, AAR27585, AAQ29236-8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The INF-alpha receptor expression plasmids were then transfected
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         DB 13; Length 2062;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              engineering a termination codon just prior to the transmembrane domain. PCR with primers AAQ29237,8 generated a 300bp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  New polypeptide capable of binding human TNF alpha - comprises
                                                                                                                                                                                                                                                                                   first three cysteine-rich subdomains of TNF alpha receptor for treating autoimmane discase, septic shock, HTV etc.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   3; Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Sequence 2062 RP; 429 A; 618 C, 572 G, 443 T, 9 other;
                                                                                                                                                     Feldmann M, Gray PW, Turner MJC;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         99.6%; Score 1363.2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Pred. No. 0;
0; Mismatches
                                                                                                           (CHAR-) CHARING CROSS SUNLEY RES CENT.
                                                                                                                                                                                                                                                                                                                                                       Claim 4; Fig 1; 43pp; English.
                     91WO-GB01826.
                                                               90CH-0022648
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            98.88;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Best Local Similarity 99.8
Matches 1365, Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    into monkey COS-7 cells.
                                                                                                                                                                                               WPI: 1992 167156/20.
                     18-OCT-1991;
                                                               18-0CI - 1990;
                                                                                                                                                       3rennan FM,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
윱
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q
Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Š
```

361 oggganannggigigigggetgeaggaagsastaeeggeathaltggagtgaaacett 420

515 eqqqaeaneqtqtqtqtqtqqqaqqaaenaqtaccqqcattattqqaqtqaaaacctt

q

```
1055 eccygtyaetgteceaaetttyeggeteeengeayayqtygeaeeaeeetateaqqqq 1114
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              961 getgacerdatecttydgadagedtegedtegaerecdatecedaaerecdaaerteagaag 1020
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    1175 tgggaggacagtgcccacaagccacagagcctagacatgatgacccggggacgrtytac 1234
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      1235 geoglygiggagaacgigcoccogilgogciggaaggaailegigeggegeclaggetg 1294
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         1201 tacagcatigetiggrepacetiggaggeggegeargeegregegegegaggeeaegetiggagrig 1260
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               1415 ctyggacycytuctrogogacatgyacetgetyggetucetggaggacategaggaggagga 1474
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         995 cocaccetygycttcagtcocytycocayttcoaccttcacctccayctccacctatacc 1054
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    541 teetgtagtaaetgtaagaaaageetygagtycaeqaagttyteetaeeeeagattyay 600
                                                                                                                                                                                                                                                                                                                                                                                                                  721 tecaagetetaeteeattgtttgtgggaaatewaearetgaaaaagaggggagettgaa 780
                                                                                                                                                        695 teetgtagtaaetgtaagaaaageelggagtgeaegaagtlgfyeetaeeeeagtlgay 754
                                                                                                                                                                                                                                                                                                             661 gatettigeettilateeeteeteiteatkagiitaalgaaletaeeaaegiqaaq 720
                                                                                                                                                                                                                                                                                                                                                              815 ggtetttgcettttateeeteeteettggtttaatgtategetaeeaaeggtggaag 874
481 aaacagaacaccqtqtqcacctqccatqcaqqtttctttctaayagaagacqaqtqtqtc
                                                                                                                                                                                                         601 aatgitaaaggoacigaaggacicaggoacearagigeigitgeeeciggiealiiiotii
                                                                                                                                                                                                                                                            755 aatgitaaagggeacigaggaeteaggeaceanagigeigtigeeeeiggieatiiiteiti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   875 iccaagetetactecatigilitgigggaaalegaeeretgaaaagaggggggggetigaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          901 cccggtgactgtcccaactttgcggctccccycagagaggtggcaccacctatcagggg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       geogiggiggagaaegigeeeeegitgegeiggaaaggaaitegigedgeeeetaqqqei
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           841 eccaecolyggollicaglocoglycopagliceacollicacolocagoliceacolatata
                                                                                                                                                                                                                                 1321 etttgeggeeeegeeqeeteeegeeegeegeeragtetteteagatga 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1475 etttgeggeceegeegeteeegeeeggeeeagtetteteagatga 1522
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Tumour Necrosis Factor; INF; binding protein; IBP-I; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               AAQ12215 standard; DNA; 2176 BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         12-SEP-1991 (Lirst entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type I TNF receptor.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         AAQ12215;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     1081
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AAQ12215
                                                                                                    ò
                                                                                                                                                                                                                                                       g:
                                                                                                                                                                                                                                                                                                                                                              3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                   q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         4
                                                                                                                                                                                                                                                                                                                                                                                                                  ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Š
```

S

```
The Fumour Necrosis Factor Binding Protein i is the soluble form of type i TWF receptor and constitutes a fragment of the cell surface form of this receptor, corresp. to its extracellular domain. There is no characteristic poly(A) addition signal near the 3' end of the cDNA. The sequence ACTAAA (tag m) may serve as an
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       transforting eukaryotic colls with vector contail decoyribonacleic acid encelling beautiful time coupler is soluble demain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Recombinant tumosm neerosis factor binding protoin L - propd. by
                                                                                                                                              /*tag- d
//abel-soluble_domain
/noter="may-be-2 codens shorter or a few codens
/noter="may-be-2 codens shorter or a few codens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Wallach D. Nophar Y. Kemper C. Engelmann H. Brakebusch C.
                                       /*tag- a
/note- "in-frame termination codon"
256..1620
                                                                                                                                                                                                  /*lag~ e
/noto= ""HD I dorived sequence"
                                                                                                                                                                                                                                  /**ag= *
/note= "IBP-I derived sequence"
                                                                                                                                                                                                                                                                 /*Lag= q
/mote= "Tipp=1 derived serpence"
                                                                                /product= type I TNF receptor
                                                                                                                                                                                                                                                                                          /*tag= h
/label= transmembrane_domain
385..504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Disclosure: Fig 1(D): 30pp: English.
                   Location/Qualifiers
244..246
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (YEDA ) YEDA RES & DEV CO LTD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             9011.-0095064.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      8911.0092697.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90EP-0124143.
                                                                                                                                                                                                                                                                                                                                                                                                                                   /number- 4
2145..2150
/*tag= m
                                                                      /*tag= a
                                                                                                               319.1620
                                                                                                                                                                                                                                                                                                                                                                                           /*tag- k
                                                                                                                                                                                                                                                                                                                                         /number-
505..633
                                                                                                                                                                                                                                                                                                                                                                        /number-
634..756
                                                                                                                                                                                                                       583..627
                                                                                            (T)
                                                                                                                                                                                                                                                       850..858
                                                                                                                                                                                                                                                                                     889..957
                                                                                                                                                                                                                                                                                                                                                                                                               757..858
                                                                                                                                   319..864
                                                                                                                                                                                                                                                                                                                                                                                                      /::umber-
                                                                                                     /*tag~
                                                                                                                                                                                                                                                                                                                                                              /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag-
                                                                                                                           /*1 ag-
                                                                                                                                                                                                                                                                                                                                 /*t.ag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             WPI; 1991-186774/26.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          P-PSDB; AAR12550.
Homo sapiens
                                                                                                                                                                                           misc_teature
                                                                                                                                                                                                                        misc_feature
                                                                                                                                                                                                                                                        misc_teature
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       13-DEC-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            12-JUL-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      13-DEC-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                               polyA_signal
                                                                                           sig_peptide
                                                                                                                 mat_peptide
                                                                                                                                                                                                                                                                                                                                                    repeat_unit
                                                                                                                                                                                                                                                                                                                                                                                                                repeat_unit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  26-JUN-1991
                                                                                                                                                                                                                                                                                                                      repeat_unit
                                                                                                                                                                                                                                                                                                                                                                                  repeat_unit
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EP433900-A.
                              terminater
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Aderka D;
                                                                                                                                     misc_RNA
                                                                                                                                                                                                                                                                                      misc_RNA
                                                             CDS
```

```
56) ce.ggtgantqteccaactttgeqqctecc.qcaqagaqqtggcaccac.clatcagqqq_960
||HIIIIIII||HIII||HIIII||HIIII||HIII||HIII||
|156 occaalgantqteccaactttanaacteccyacaagaa.claccacc.tatcaqqqa_1215
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1986 conserving grant treaging of grant again case the sorth case to an efficient 1155
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               976 tecaagetetaen eeattatitatgaaaalmaanmin sasaaaaaangagamidaa 1035
                                                                                                                                                                                                                                                                         400
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ttodagtgatfleabtigeageetetaecteaatagaan utgeaentet higheaggag 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    796 tootatagtaantataaqaaaaaanntaqaatachaantaannannannannan 855
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 60] aatottaagoomactgaogactwadd accalautgiidtholiidath affffetht 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    856 aatyttaakkki ultykkyallikaksi alkanktyriyitysseriyyisattileiit 915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        661 antitlantitation titlano totti titallantitaanida is kiannaa antigaaa 720 million titlano tillion kan kan 320 million tillion tillion tillion tillion tillion tillion taken taken taken aanapiga aag 975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    841 occupedada dicaqte ecqtquu authu acuteau treageteraretataen 900
                                                                                                                                                                                                                                                                                                                                                          121. gatugigigi di ni occhaaqqaaaatatatomemet nadaaataati mahtitget ataee 180
                                                                                                                                                                                                                                                                                                                                                                           496 igcagggagigigagagcqgctccitcaccycticagaaaccaccicagacacigccic 555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      556 agetgetecaaatgeegaaaggaaatgggteaugtggagatettettgeaeagtggae 615
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           361 ogggadadogtgtgtgtggntgdaggaaaaacnantachgunuttuttgguntuauaacht 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           736 aaacaqaacannutgtqnacctgccatgcaqqtttcmttmtaaqaqaaaanyayfgtgtc 795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 54) teotgtagtagtaaraamigtaagaaaaageertggagtgeaegagttgfgeertaeeeegattgaag 500
                                                                                                                                                                                                                                   256 ವರಣಗಳಂದುದ್ದರುವಾಗಣೆ ಇಂಗುಸೂಗದ ಇಂದಿನದ ಗುವಾಗ ಗಾರವಣ್ಣದ ನಿರ್ವಹಣೆಗಳ ನಿರ್ವ
                                                                                                                                                            oahs :
                                                                                                                                                                                              1 atgaganctoforacogius/rigas/olderia/dacamidatactoriadadetaitaata 60
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   24. tabaggaatt taata agete teasegetteagaaa sa ceataa actus teese
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              72] treaagetetanteeaffuttigfydgaaatrgarardyaaagagagyydyagettgaa
                                                                                                                                                                                                                   99.6%; Score 1444.2; DB 12; Lebath 2176; 99.8%; Pred. No. 0;
                                                                                                                                                        4: Indels
                                                        Sequence 2176 BP, 475 A, 644 C, 602 G; 455 L; Q other:
alternative to this signal, but with low efficiency.
See also AAQ12212-15.
                                                                                                                                                        v; Mismatches
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        99.6%
Best Local Similarity 99.8%
Matches 1365; Conservative
                                                                                                                                                                                                                                                                                                          4
  98%8
                                                                                                                                                                                                                                   a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 q
                                                                                                                                                                                                                                                                                                                                                            ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                      Ç,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ें
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     â
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 े
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    30
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      .
.
                                                                                                                                                                                                                                                                           6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ŝ
```

```
96] getgaececafrotfgoyanagorotrgodioganooatoeeeaaeeeeetteaqaaq 1020
           1081 genetagtagagaaangtgeneengttgngetagaaggaattngtgeggegeetagggetg 1140
                                                                                                                                                                              1201 tamagmatgmtqqmgammtggaagqmgqmgqmgmymgqqqqaaggcmamgctqqaaqctq 1260
                                                                                                                                                                                                                                                                                                126] Intragandinal and praestaintraspostain against ordinadabasings spugged. 1320
                                                         1021 tggqaaggacagngcnanaagenacagagnntagacatgatgaccongcgacgttac 1080
                                                                                                                                                1336 grigtggtggagaacgtgcccccgttgcgriggaaggaattcytgcggcgcctagggctg 1395
                                                                                                                                                                                                                                                                   1456 tacageatgetygegaeetggaggrogegeegeegeegegggegaggeeacgetggagetg 1515
                                                                                     1276 tgggaggacagcgccacaagccaraagaccaraagagctaaagaaatgatgatgarccsysgasystgtas 1335
                                                                                                                                                                                                                                                                                                                              1516 otyggaegegtyctorgcgaeatygaeetyctgggetgeetygaggaeatngaggaggaggeg 1575
                                                                                                                                                                                                                                                                                                                 rainF PP (AAQ2/281) was used to struct the HS913; comA library.
LambdaTNF-R2 encodes the complete human TNF-R2 and was used to
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Tumour necrosis tactor binding protein; TNF-BP; TNF-receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DNA encoding TNF binding protein and TNF- receptor - used in
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  tumour treatment and to understand mechanismsm to TNF action
                                                                                                                                                                                                                                                                                                                                                           1321 ettigrageeregeerterrandegegeeeaatriteteagaiga 1368
                                                                                                                                                                                                                                                                                                                                                                           Himmler A, Maurer-Fogy I, Stratowa C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Human Tumour Necrosis Factor-Receptor cDNA insert.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Disclosure; Fig 91(1-2); 51pp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Location/Qualifiers
213..1577
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (BOEH ) BOEHRINGER INCELHEIMINE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AAQ06285 standard; DNA; 2141 RP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /label-huTNF-R
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    90EP-0106624.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  89DE-3920282.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             89DE-3913101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       lambdal NF-R2: ral NF-R8; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      WPI; 1990-421987/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     P-PSDB; AAR07451.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            29-JAN-1991
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Hauptmann K,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    06-APR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  21 - JUN - 1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              21-APP-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     24 - OCT - 1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EP393438-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                AAQ06285;
                                                                                                                                                                                                                                                                                                                                                                                                                                     RESULT 12
                                                                                                                                                                                                                                                                                                                                                                                                                                                     AA006285
                                                                                                                                                                                                                                                                                                                             3
                                                                                                                   ò
                                                                                                                                                9
                                                                                                                                                                                                       qq
                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                £
                                                                                                                                                                                                                                                                                                ŝ
                                                                                                                                                                                                                                                                                                                                                            6
                                                                                                                                                                            ^{\circ}
```

```
1053 eccaecetgggetteagteeegtgeecagtteeacetteaceterageteeacetatace 1112
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     993 ggaactactactaagcccctggccccaaacccaagcttcagtcccactccaggcttracr 1052
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 181 aagtgecacaaaggaacetaettgtacaatgaetgteeaggeeeggggeaggataeygae 240
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                90] ccogytyactytcccaatttgoygotcccoycagagayytyvaccaccetatcaqqq 950 HIIIHHHHHHHHHHHHHHHH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         213 atgggcctctccagcgtgcctgacctgctgctgccactggtgctcgtggagctgttggtg 272
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               273 yyaatatarriitagoggttattggantggteeteaeetaggggaeagggagagaaaaaa 332
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      12] gatagtytgtytocccaaggaaaatatatocaccetraaaatattogatttgetgtaee 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          453 ignaggaagigigagagogotoottoacoyottoagaaaaccacctcagacactgrete 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  301 agetgetecaaatgeegaaaggaaatgggteaggtggagatetettettgeacagtggae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 361 egggacacegtgtgtgtggetgeaggaageaagtaceggeattattggagtgaaaacett 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       421 ticcaqiqeticaatiqeaqeeteiqeeteaaqqqqaeeqiqeaeeteiceiqeeaqqaq 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            481 aaacagaacaccytytycacctyccatycayytttetttetaagagaaacyaytytyte 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        841 cccaccetgggettcagtecegtgeceagttecacettcacetecagetecacetatace 900
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    393 aagtgeeacaaaggaacetaettgtacaatgaetgteeaggeeegggeaggataeggae 452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               573 rgggaraccytytytytycygcagaaccaytaccygcattattggagtgaaacctt 632
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       541 teetgtagtaaetgtaaagaaaageetggagtgeaegaagttgtgeetaeeeeagattgag 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          753 teetgfagtaactgtaagaaaageetggagtgeaegaagttgtgeetaeeecagatteag 812
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  601 aatgitaaggqcactgagqactcagqcaccacacqtqctqttqccctqqtcallttlcltt 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             661 ggtetttgeettttateeeteeteetteattggtttaatgtategetaeeaaeggtggaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      933 incaagetetaetesattgittgigggaaateyacaeetgaaaagaggggagettgaa 992
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      693 aaabaqaadaceytytycacetyccatgcagqttt.ctt.tctaaqagaaaacgagtgtqtc 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     813 aatgitaagggcacigaggacicaggcaccacagtgcigtigcccciggicattiictit 872
                                                                                                                                                                                                                                                                                                                                                                                                   O, Gaps
construct a plasmid (pADTNF-R) expressing the product the same way as pADWNF RF (see AAQ06282). See also AAQ06282-Q06285.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            33 95 of 999 91 ft or constants the millimite of the state of the stat
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       241 tgcaqqaqtqtgaqaqqqqcccttcacqttcaqaaaaccacctcaqucactqcctc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               99.5%; score 1001.6; DB-11; Length 2141; 99.7%; Pred. No. 4.1e-315; tive 0; Mismatches 4; Indels 0; t
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2141 BP; 455 A; 633 C; 593 G; 460 T; 0 other;
                                                                                                                                                                                                                                                                                                           Query Match
Best Local Similarity 99.79
Matches 1364; Conservative
25 25 X 8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ें
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ë
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 š
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                d
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Ω
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             \dot{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   οy
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  â
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     q_{cl}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ő
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 £
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Ĝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ŝ
```

```
1081 gonatiquitadagaacqiqseeregtiqoqolqqaaqqaatiloqiqqqqqqqqqqiq 1140
1113 ecoggitgaetgicceaactifgoggotoccogoayagaggitggoaceaecetaicagggg 1172
                                                                    1021 tgggaggacagcccaraagccacacagagcctagacactgatgaccccgcgcgacgctgtar 1080
                                                                                                                                                                                                                                   etgggangstattereneelgjann hittpherigen gaagaatlegage 1226
                                                                                                                                                                                                                                                                                  1472 rigggargryigetorgryacatggacetgreiggetgeetgaaggadategaggagg
                                                                                                                                          1293 geegtiggtiggagaaegtigeeeeegttigegetiggaaagaaattegtigeegeegtaggetig 1352
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     TNF; tumour neerosis factor, receptor; disease; autoimmunity; rheumatoid arthritis; graft rejection; graft vs. host; septic shock;
                                                                               Modulating activity of tumour necrosis factor receptor - using peptide(s), antibodies, etc. which interact with refiled regions of receptor or effector protein, for controlling auto-immune
                                                                                                                               p55 Tumour necrosic factor receptor
                                                                                                                                                                                                                                                                                                        1321 offtgegaboooogebapretesegerrargrangstifffjagalga 1268
                                                                                                                                                                                                                                                                                                                    p55 Tumour necrosis factor receptor coding sequence.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Location/Oualifiers
256..1623
                                                                                                                                                                                                                                                                                                                                                                                          AAQ50870 standard; DNA; 2170 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (YEDA ) YEDA RES & DEV CO LID.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         92II-0101769.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    93EP-0106981.
                                                                                                                                                                                                                                                                                                                                                                                                                                        13-MAY-1994 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disease, septic shock, Pth
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    æ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Brakebusch C, Wallach D;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              /product
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 /*tag-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              effector protein; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            WPI; 1993-353057/45.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           P-PSDB; AAK42197.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-APR-1993;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         03-MAY-1992;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Homo sapiens
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            10-NOV-1993
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   EP568925-A
                                                                                                                                                                                                                                                                                                                                                                                                                  AA050870;
                                                                                                                                                                                                                                                                                                                                                                              q
                                                                                                                                                                                                                                                                                                                            qq
                                                                                        â
                                                                                                                 õ
                                                                                                                                       3
                                                                                                                                                               ŝ
                                                                                                                                                                                    qq
                                                                                                                                                                                                            3
                                                                                                                                                                                                                                 q
                                                                                                                                                                                                                                                          ŝ
                                                                                                                                                                                                                                                                                                          ò
```

Claim 2; Figure 1; 17pp; English

```
18) dagtgerdarðunaggandstartifetaklautjar 145. daga oldgaga gratasggar 240
HITH FILLETHILLETHILLETHILLETHILLET LITTLITTILLETHILL
436 dagtgerdunaggangestaettyllargalauet if spagapseguaggangesagae 495
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         555
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2.50
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     616 regggarangigliging of grande and and and an exaltablicated and garden (f. 675)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      54] teetgtaataanigtaagaaaagnetggadiunanyaauttyigentannedaaityag 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         autatiausses in taussas in againm a agine initare entagen atta 660
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    856 maigttaunggructgaggarteaggeacearagigeritigeritiggreitigg attitofft 915
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               916 agtetttage (111faleo) feitettealtagiltiaafgtati gilae, gaedalugaag 975
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              an Timminin Hilling (1977) and and the Commission of the Hilling Hilling (1978) and an additional the American decreases and an expension of the American decrease and an expensio
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              हैं . अनुवादीक्षांचा १५०१० व्यक्तवर्गिवारी कहा गोजन्यों १०१० व. इच्छान्यनाकः चार्यम्बाव्यक्षांचा 🗓 💴
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         421 Uthopasta it brasitaspast statisacitesatiquam y quay and distribunaqua 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                736 additanna is is stytycan the athrabatteritetaaqaqaaanmaatatee 795
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        U) Gaps
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Configuration and the configuration of the Constitution of the Con
                        Modification of the Cumour nectuals factor receptor by metation of below in 1 line, stad finance, and in the receptor line modulation of activity one also be achieved by the receptor. This modulation of activity one also be achieved using effector. Butletons which interact with the TNF receptor of the effector moteones which interact with the TNF receptor of the effector proteins can be seed to treat of prevent diseases associated with TNF activity or actioning diseases thousanded arthritis; graft rejector for the effect of actioning diseases thousanded arthritis; graft rejector for the effect of actioning diseases thousanded arthritis; and also project the fact disease is every the back. They can also
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        The Hill Principal Hamilton Hamilton Principal Care against Hamilton St. S. Standard Care aggregation of the aggregation of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         496 tgcagagagtatgagagagata talabigata talagagadan agaaalaa talagaatgaate
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  661 agtotttammilitatonindinttoallagillaataistoamananagaaaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    72) tudaayititaiti attyttiyiqqqaaalogaharitddaadagayyyqqayrtgad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                301. agotgotonuaalaongaaaaqaaaalaqqatnaaqlaqaabotollottacadaatqaan
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             376 qataquqiqiqiqiceedaaqqaaatatateeacetcaaaataattcad tiqetatare
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        241. Tapaggaggagtatgaggagbagbbbttcarrottbaggagaaassarrbagaaaassarrb
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Length 2170;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       2 apa:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Sequence 2170 BP; 474 A: 657 C; 584 G; 455 I; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          99,4%, Store 1960, DB 14,
99,6%; Pred. No. 8.2e 315;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      rejection, what he know algrade in any in be used to treat overdoses of exogendus INF.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Minimal: nes
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       7. 1. 1. 1. 1 true.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Query Match
Best Local Similarity
Matches 1963, tometry
*0:55555555%8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      염
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      - x
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   큳
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Ċ,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             셤
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ŝ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       \delta
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            à
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      3
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ð
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            οχ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        쉼
```

```
1276 Taggaagaanagojoroanaaagonanaaagoni aganantgatgasonongogangntgtan 1935
                                                                                                                                                                                                      1081 gccgtggtggagaamytgmmmmyttgmpmtgaaattegtgeggegectagggetg 1140
                                                                                                                                                                                                                               1336 geogtggtggagaangtgnnnnngttgngntggaaggaattegtgeggegeetagggetg 1395
                                                                                                                                                                                                                                                        1141 agegaerrangagatingatinggetiggagetignagaangggegetignetignegagggggaa 1200
                                                                                                                                                                                                                                                                                 1261 etgggaegegtgeteegegaeatggaeetgetgggetgeetggaggaeategaggaggeg 1320
                                                                                                                           1216 gotgaonocatoottgogabagoootogootengaeeeeatoeeeaagggeetteagaag 1275
                                                                                                                                                                                                                                                                                                                                                                                     1516 etgggaegegtgeteegegaeatggaeetgetgggetgeetggaggaeategaggaggeg 1575
841 eccaecetgggetteagtecegtgeecagttecaeettcaeetecagetecaeetataee 900
                                                                                                                                                    occyqtyactgtcccaactttgcygctccccqcaqaqaqqtqqcaccaccctatcaqqq
                                                                                                                                                                                                                    Plasmid Tumour Necrosis Factor-Binding Protein 15 cDNA insert.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Iumour necrosis factor binding protein; TNF-BP; TNF-receptor;
                                                                                                                                                                                                                                                                                                                                                                                                               1321 etilgrugecongregenciosegenegeseagiciotesagaiga 1368
                                                                                                                                                                                                                                                                                                                                                                                                                                      1576 etttgeggeeegeeeteeegeegeeggeeeagtetteteagatga 1623
                                                                                                                                                                                                                                                                                                                                                                                                                           Stratowa C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Himmler A, Maurer-Fogy I,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            /product-INF-BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      (BOEH ) BOEHRINGER INCELHEIMINT.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    AAQ06282 standard; DNA; 1334 BF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        90EP-0106624.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                89DE-4920282.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              89DE: 3913101
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    29-JAN-1991 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     213...325
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       WPI; 1990-321987/43.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    P-PSDB; AARU7449.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    pTNF-BP15; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Homo sapiens.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        06-APR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                21-JUN-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               21-APR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24-0CT-1990.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    EP393438-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             AAOO6292;
                                                106
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        AAQ06282
                                                                                                                                                                                                                                                                                                                                                                                                                                                                          RESULT
                                                                                                                                                                                                                                                                                                                                                                                                                                      qq
                                                                                                                           £
                                                                                                                                                                          q
                                                                                                                                                                                                                           qq
                                                                                                                                                                                                                                                                                                                                                                                     a
                                                                                                  ò
                                                                                                                                                    ŝ
                                                                                                                                                                                                     \dot{\circ}
                                                                                                                                                                                                                                                       ò
                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                          ò
                                                                                                                                                                                                                                                                                                                                 qq
                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                ò
```

```
agoligoliccaaaligeegaaaggaaaligggleaggleagateleteleteleteacagligae 360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             333 gatagtgtgtgtgtccccaaggaaaatatatccaccctcaaaataattcgatttgctgtacc 392
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   393. aaytyösavaaayyaacetaettytasaalgavtyteeayyeeeyyygeaygataoggae. 452
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      453 tgcagggatgtgagagggeteettcaccgcttcagaaaaccacctcagacactgcctc 512
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            51% agcigciccaaaigccgaaaggaaaigggicaaggigagaictictictigcacagiggae 572
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      361 ngggananngtgigigiggetgeaggaagaaceaqtaeeggeattattggagtgaaaeett 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              42] ttocagtycttcaattycaycetetyceteaatyyyaceytycaeeteeetgecagyag 480
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      481 aaacagaacaccqtqtqcacctqcratgcaqqtffctttctaaqaqaaaacqaqtqtqtc 540
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          541 teetqtaqtaaetgtaaqaaaaqeetggaqtqeaeqaaqttqtqeetaeeeraqattqaq 600
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               661 ggirtitigectititateceteciclicatiggittaatgtategetaecaaeggaag 720
                                                                                                                                                                                                                                                                             The resulting 0.75 Kb inA fragment was inserted into p:2/13 alpha-19 (BKb) cut with the same enzymes to recover pTNF BP. This was cut with BamH1 and BEORI, and the recovered Iragment inserted into pAnD-CMV1 (AAG062B) to give the required plasmid pADFUNF BP.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          633 ticcagigeticaaligoageoloigechoaalgagacegigeacolooloolgeaagaa, 692
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                693 aaacagaacaccytytycacctyccatycayytitecttetaagaagaaaacqaytytyti 752
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            813 aatqtiaagggcactgaggactcaggcaccacaglgctqligecectggtcatitictii 872
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          1 atgageeteteeacegtgeetgaeetgeetgetgeteetggtgeteetggagetgttggtg 60
                                                                                                                                             from induced TNF-induced fibrosarcoma cells. A TNF-BP had been isolated from the urine of patients with uraemia and probes/primers were constructed from the determined unito, acid sequence.

To produce a vector expressing a solutio form of TNF-binding protein, this plasmid was cut with Xmml, amplified by PCR and the
                                                                                                                             pPNF-BP15 is one of 30 positives clones in a screened conA library
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         181 aaqtqocacaaaqqaacctacttqtacaatqactqtocaqqoccqaggcaqqatacqqac
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      gataqtgtgtgtccccaaggaaaatatatccarcctcaaaataattcqatttgctgtacc
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                aatgttaagggcactgaggactcaggcaccacatgctgttgcccctggtcattttcttf
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                81.9%; Score 1120.4; DB 11; Length 1334; 99.9%; Pred. No. 7.9e-258;
                  DNA encoding TNF binding protein and TNF- receptor - used in tumour treatment and to understand mechanismsm to TNF action
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                                                                                                                                                                                                   Sequence 1334 BP; 299 A; 409 C; 342 C; 284 T; 0 other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              0, Mismatches
                                                                                                                                                                                                                                                          amplified DNA cut with BamH1 and EcoR1.
                                                                                   Disclosure; Fig 1(1-3); 51pp; German.
                                                                                                                                                                                                                                                                                                                                                                         see also AAQÜ6282-çü6285.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Matches 1121; Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Hest Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Query Match
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    a
ō.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         ŏ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 ď
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  đ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              ^{\circ}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      ô
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ó
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               a
```

۷.

```
961 gorganeanateattaggar oprochogo horgan organisen (2007) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (117) (
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   1021 taggaagacagcacacacacaaagccacagagcctagacactaatgaccocycycyucyctytac 1080
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      993. iggaant act act aagebbet ggebe maaan maagent magt ingbact gorigot finami. 1952
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            NER ornamintaggriffingfing jaggriagittera ettera ettera julica estatuee 1112
78) gaaactactactaagectgycoobaaccaaactteagteeecteeagettoaee 840
                                                                                                                                                                                                                                                                                                                                                                                 Ocean Capability after a glass and the another and the another and the contained in the first th
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             90] eneggigaciqtecenactifqeggetecenquagaqaggiggeaceaeeetateagggg
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Tumour necrosis factor binding protein; INF-BP; INF-receptor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A rat brain cDNA analogue of the HSS13T cDNA library from rat glioma cell line C6 (ALCC OLLA07) is prepared in Lambda-gtll.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           tumour treatment and to understand mechanismsm to TNF action
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Himmler A, Maurer Fogy I, Stratowa C;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          DNA encoding TNF binding protein and TNF receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Rat Tumour Necrosis Factor-Receptor 8 cDNA.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Disclosure: Fig A(1-2); Slpp; German.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /product-rat INF-R8
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Chalitiers
245..1627
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ06284 standard: DNA: 2173 BP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               INIWIAHIAONI MADNIAHAOM ( HBOH)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       89DE-3920282.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    89DE-3913101.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            90EP-0106624
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              29-JAN-1991 (first entry)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /*tag=
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           WPI; 1990-321987743.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             P-PSDB; AAR07450.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Hauptmann R,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            taTNF-R8; ss.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            06-APR-1990;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       21-JUN-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    21-APR-1989;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           24-OCT-1990
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Rat rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                EP393438-A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   AAQ06284;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     5
                                                                                      â
                                                                                                                                                                                      5
                                                                                                                                                                                                                                                                            9
                                                                                                                                                                                                                                                                                                                                                                                 Ś
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Ġ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         δ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            \dot{\Xi}
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ő
```

```
1.84
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                965 eccaqqqteractecateatttqtaqqqafteaqefeetqteaaqqqqqqquaqqaa 1024
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1085 ttowaecomaetotaggettoaacaceooromaagettouaetoutoetatoteouatuon 1144
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          121 gatagtutututute etaaguaaaatatateteare teaaataattudattuudtturtutaen 180
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Fig. 1 11) | Fig. | Fig. 11 | Fig. 2 | Fig. 11 | Fig. 2 | Fig. 11 | Fig. 1 | Fig. 1 | Fig. 2 | Fig. 2
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          300
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      544
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          360
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              604
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  361 eggjacan gigidiggniqeagraagaancantan qq aftatigaanigaaacett 420
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           481. aadragadracedtyty, detyre atyr dayitti, tti etandadadaegadtytyte 540.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         661 ggtetttgeettitateerteetettealiggtitaatgialegeraeewaeggigaag 720
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                965 gatetitiquititialietittatelyeateagletaetusugasalateeeagigaaga 964
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    781 gaaactactacta (bagecost - geoscodado cadasticações asteogage 834 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 11 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 111 | 11
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   888 acotoceaectocend atenoconvaluant atonoeaent tynugotopoogoedayag 939
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               665 ttopagigiatugaanigdagonnigditoaal jyoachulganaaichholaggag 724
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              27; daps
The isolated clone rainF kB is used as probe to isolated the entire bunds INF Leceptor, as represented in AAQUEZES.
See also AAQUEZ82 QU6285.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          24) Equaggaate agraement than eath agrander to again the additional actions of the agraement and the a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          301 agetdomichaaatanogaaaggaaatquqthaaqutggaqatethtistiisakautggad
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                785 oottgoaqroactgraaqaaaaatcagguatytatgaaqrtgtgrootac tocayttgoa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   60) aatottaaggggeentgaggaeteaggeereacagtgeetgliseeeelggicattitettt
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            72) tanadayi tantinatiyiiyi yaraqaya aqil maqaaqaya qara tigaa
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                1027 ggaattgtlactaagstto taact cagostolaas coascitoas ago o aaksisags
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              125. äägtyönnuaangaaanetaettyytyaytya, tyten aayden aggynagyaaacayte
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      485 tgiragiri ildinabaaagadan titanagiti uguayaadda gtu ayacaytytetti
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  18. aagtuda aaaggaadootasttataa aa tato agacoqaaa aagataaga aagata aagata
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 128 11. 1454th ±173;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Indels
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 2174 BP: 503 A; 542 C; 551 G: 477 1: 3 other
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     0; Mismatches (1);
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          73.5%, 2301-732.2, 35.3
73.5%; Pred. No. 4.54-165
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    835 Etcaposopolaris dagin cutarolar
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Best Loral Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Matches 999;
               8X3333
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           S
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       90
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      급
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ö
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  õ
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               q
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ã
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       g
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ء
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   ia
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               9
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   δò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           ò
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                qq
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                43
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Ĉ.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  ×
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  5
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ġ
```

| contragecoeptetteggteetagtaact quaraccaccialcaqqqqqqqqqqqqqqqqqqqqqqqqqqqqq                 | 1145 cerateagrecogfettoggteetagtaactggeacaaettegtgeeacetgtaagagag 1204 | gtggcarcarcalalcaggggctgacccatccttgcgacacacctccgaccc 999<br> | cayogoveacaagecacagaacetagae 1656<br> | lagagaacgigececeqtigecetigaag 1116<br>                              | acqaqalcqattqqaqtqqaqaqqaac 1176<br>    | tgctggrgacctggaggegeaegeg 1236<br>                         | gogigotocgogacaiggacoigcigggo 1296<br>                        | aerccaer 1335                              |
|---|--|--|---------------------------------------|---|---|--|---|--|
| 1145<br>940<br>1205<br>1262<br>1000<br>1117<br>1322<br>1117<br>1117<br>1117<br>1117<br>1237 | cocatoagecoogtetteggtectagtaacte                                       |  | atroccaarcconticagaagtygaayda<br>     | actgatgarecentgraegetgtaegereqtgqtagagaaegtgereeregttgreetggaag<br> | qaattoqtqqqqqqqqqqqqqqqqqqqqqqqqqqqqqqq | gggegetgreetgraegggggaatacatgetggrgaeetggaggggggaeggeg<br> | cggcgcgcgacgclggagclgclgggacgcgtgclccgcgacalggacclgclgggc<br> | tgeetgaagaacategaagaageetttagaeeeegee 1335 |
|   | qu   | oy<br>Dp   | o da                                  | 0y<br>01  | è è                                     | Oy<br>Db   | ç ç   | ζŞ   |

Search completed: April 24, 2002, 05:14:46 Job time: 6564 sec